CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, August 31, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See Issue.
Sept.				
	1—Steel manufacture.	New S. Wales.	S.	3-23
	•4—Concrete conduit.	Salt Lake City, Utah	P. & S.	8-10
	•5—Drainage work.	Miami, Fla.	S.	8-10
	•5—Conduit, etc.	Richmond, Va.	P. & S.	8-17
	•5—Macadam road.	Wilmington, Del.	P. & S.	8-24
	•6—Filter'g materials, etc.	Phila., Pa.	P. & S.	8-24
	•9—Sewers.	Boise City, Idaho	P. & S.	8-24
	9—Pier.	Boston, Mass.	S.	8-10
	9—Derrick.	Washington, D. C.	S.	8-10
	•11—Water conduit.	Toledo, O.	P. & S.	8-10
	16—Hoist.	Washington, D. C.	S.	8-10
	•27—Pipe sewers.	Haddonfield, N. J.	P. & S.	8-31
Oct.				
	5—Bridge.	Natchitoches, La.	P. & S.	8-31

•Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See Issue.

LIGHT, HEAT AND POWER PLANTS

Aug. 31. Elec. conductors, New York, N. Y. ..... Aug. 24
Sept. 1. Electric light, Lagrange, Ga. ..... Aug. 24
Sept. 1. Electric plant, Middleburg, Pa. ..... Aug. 24
Sept. 5. Electric light plant, Burlington, Wis. ..... Aug. 24
Sept. 12. Power house, Washington, D. C. ..... Aug. 31
Sept. 27. Wiring, Baltimore, Md. ..... Aug. 31
Sept. 30. Power plant, etc., Washington, D. C. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Dec. 2. Water power, Porto Rico ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.
No date. Gas plant, Valdosta, Ga. ..... Aug. 31

BRIDGES.

Sept. 1. Bridge, Tacoma, Wash. ..... Aug. 24
Sept. 4. Bridges, concrete, Springfield, Ill. ..... Aug. 24
Sept. 4. Bridge, steel, Neosho, Mo. ..... Aug. 24
Sept. 4. Bridge, Jamestown, N. Dak. ..... Aug. 31
Sept. 5. Bridge, Bismarck, N. Dak. ..... Aug. 31
Sept. 6. Bridge, Redding, Cal. ..... Aug. 31
Sept. 6. Bridges, Enterprise, Ore. ..... Aug. 31
Sept. 6. Bridge, Leavenworth, Kan. ..... Aug. 31
Sept. 6. Bridges, Monticello, Ind. ..... Aug. 31
Sept. 6. Concrete culverts, Cleveland, O. ..... Aug. 31
Sept. 6. Bridges, steel, Colusa, Cal. ..... Aug. 24
Sept. 7. Bridge, Delaware, O. ..... Aug. 24
Sept. 7. Bridge, Norwalk, O. ..... Aug. 24
Sept. 8. Bridges, O'Neill, Neb. ..... Aug. 24
Sept. 8. Bridge, Albany, Ore. ..... Aug. 24
Sept. 8. Bridges, Antietam, Md. ..... Aug. 24
Sept. 8. Wagon bridge, Weaverville, Cal. ..... Aug. 31
Sept. 11. Bridges, Chillicothe, O. ..... Aug. 31
Sept. 11. Bridges, Moscow, Idaho. ..... Aug. 31
Sept. 14. Flooring, Columbus, O. ..... Aug. 31
Sept. 16. Concrete bridge, Washington, D. C. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 18. Bridges, steel, Virginia City, Mont. ..... July 20
Sept. 22. Steel trestles, Wheeling, W. Va. ..... Aug. 31
Sept. 25. Bridge, Washington, D. C. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Sept. 30. Bridges, Porto Rico ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Oct. 1. Bridge, steel, Pensacola, Fla. ..... Aug. 24
Oct. 2. Bridge, Port Orchard, Wash. ..... Aug. 31
Oct. 3. Bridge, Natchitoches, La. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Oct. 4. Bridge substructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Oct. 4. Bridge superstructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.

BUILDINGS.

Aug. 31. Workshop (Mfg. Plants), Oswego, N. Y. ..... Aug. 24
Aug. 31. Building, New Haven, Conn. ..... Aug. 24
Aug. 31. School, Durham, N. C. ..... Aug. 24
Aug. 31. Heating apparatus, Burlington, Vt. ..... Aug. 17
Advertised, Eng. News, Aug. 17 and 24.
Sept. 1. City-hall plans, Regina, N. W. T. ..... Aug. 3
Sept. 1. Apartment house, Chicago, Ill. ..... Aug. 17
Sept. 4. Heating system, etc., Huntington, Ind. ..... July 27
Sept. 5. Buildings, Salem, Ore. ..... Aug. 24
Sept. 5. Buildings, Sonyea, N. Y. ..... Aug. 24
Sept. 7. Hospital, Jersey City, N. J. ..... Aug. 24
Sept. 8. Hospital, Prescott, Ariz. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 14.
Sept. 9. Dwelling, etc., Philadelphia, Pa. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Sept. 10. Office building, Omaha, Neb. ..... Aug. 3
Sept. 10. School, Tallahassee, Fla. ..... Aug. 17
Sept. 11. Buildings, San Francisco, Cal. ..... Aug. 24
Sept. 11. School, Ft. Wayne, Ind. ..... Aug. 31
Sept. 12. Dormitory, Galesville, Wis. ..... Aug. 31
Sept. 13. Produce market, Baltimore, Md. ..... Aug. 24
Sept. 14. Buildings, Shawnee, Okla. ..... Aug. 24
Sept. 14. Hotel, Little Rock, Ark. ..... July 6
Sept. 15. Vestibules, etc., Ft. Totten, N. Y. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Sept. 15. Buildings, Independence, Cal. ..... Aug. 31
Sept. 18. Building, Duluth, Minn. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 21.
Sept. 19. Capitol building, Bismarck, N. Dak. ..... Aug. 24
Sept. 20. Buildings, Jocko, Mont. ..... Aug. 31
Sept. 22. School, Oneida, Wis. ..... Aug. 31
Sept. 28. Buildings, Cheyenne Agency, S. Dak. ..... Aug. 31
Sept. 28. Heating, etc., Baltimore, Md. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Oct. 7. Building, Shreveport, La. ..... Aug. 24

WATER SUPPLY AND IRRIGATION.

Aug. 31. Water-works, sewers, Banff, Alta. ..... Aug. 17
Aug. 31. Water supply, Owensboro, Ky. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 1. Pipe and laying, Hayfield, Minn. ..... Aug. 24
Sept. 2. Water supply, Brookside, O. ..... Aug. 24
Sept. 2. Pumping unit, Niagara Falls, Ont. ..... Aug. 10
Sept. 2. Water-works, Barnesville, Minn. ..... Aug. 17
Sept. 4. Reservoir, Wilmington, Del. ..... Aug. 17
Advertised, Eng. News, Aug. 17 and 24.
Sept. 4. Mains, tank, reservoir, etc., Ames, Ia. ..... Aug. 17
Advertised, Eng. News, Aug. 17.
Sept. 4. Concrete conduit, Salt Lake City, Utah. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 4. Pipe laying, Falmouth, Mass. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 4. Pumps, motor, Thief River Falls, Minn. ..... Aug. 24
Sept. 4. Water and light plant, Carbon Hill, Ala. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Sept. 4. Pipe laying, Fargo, N. Dak. ..... Aug. 31
Sept. 5. Water extensions, Yarmouth, Me. ..... Aug. 31
Sept. 5. Dam, walls, Columbia, Pa. ..... Aug. 31
Advertised, Eng. News, Aug. 31.
Sept. 5. Reservoir, Marion, Ind. ..... Aug. 31
Sept. 5. Irrigation canal work, Turlock, Cal. ..... Aug. 31
Sept. 5. Stand-pipe, Stromsburg, Neb. ..... Aug. 17
Sept. 5. Canal repairs, Turlock, Cal. ..... Aug. 17
Sept. 5. Conduit, pipe, etc., Richmond, Va. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 7.
Sept. 6. Filtering materials, Philadelphia, Pa. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 7.
Sept. 5. Water-works, Princeton, Ky. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Sept. 6. Water-works, Dover, Pa. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 6. Reservoir, etc., Fort McPherson, Ga. ..... Aug. 31
Sept. 6. Pipe laying, engines, etc., N. York, N. Y. ..... Aug. 31
Sept. 7. Water main extensions, Norfolk, Neb. ..... Aug. 17
Sept. 7. Water system, building, Wash., D. C. ..... Aug. 17
Sept. 11. Water conduit, Toledo, O. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 11. Well, Fort Hancock, N. J. ..... Aug. 17
Sept. 12. Water-works, Franklin, Tenn. ..... Aug. 31
Advertised, Eng. News, Aug. 31.
Sept. 13. Intake, Chicago, Ill. ..... Aug. 31
Sept. 14. Pumping machinery, Columbus, O. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 14.
Sept. 15. Pipe, tank and trestle, Fort Myer, Va. ..... Aug. 31
Sept. 15. Pipe laying, Cincinnati, O. ..... Aug. 24
Sept. 18. Water pipe, Victoria, B. C. ..... Aug. 17
Sept. 19. Pumps, hydrants, etc., Toronto, Ont. ..... Aug. 8
Advertised, Eng. News, Aug. 3 to Aug. 24.
Sept. 19. Pumping engine, Burlington, N. J. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 21.
Sept. 21. Pumping plant, Galveston, Tex. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 28. Water tank, Vancouver Barracks, Wash. ..... Aug. 31
Sept. 29. Filters, reservoirs, etc., Cincinnati, O. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Oct. 5. Piping, Peru ..... Aug. 17
Oct. 23. Water-works, electric plant, India ..... Aug. 24

SEWERAGE.

Aug. 31. Sewer, Coshocton, O. ..... Aug. 24
Aug. 31. Sewers, Chicago, Ill. ..... Aug. 24
Sept. 1. Sewers, Roanoke, Va. ..... Aug. 24
Sept. 1. Sewers, St. Joseph, Mo. ..... Aug. 31
Sept. 2. Sewers, etc., Newton, N. J. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 4.
Sept. 4. Sewers, Fargo, N. Dak. ..... Aug. 31
Sept. 4. Sewer, Lawrence, Kan. ..... Aug. 31
Sept. 5. Sewer, Jersey City, N. J. ..... Aug. 31
Sept. 5. Sewer, Sturgeon Bay, Wis. ..... Aug. 31
Sept. 5. Sewers, So. Bend, Ind. ..... Aug. 31
Sept. 5. Sewers, Alliance, O. ..... Aug. 31
Sept. 5. Sewers, Centerville, Ia. ..... Aug. 24
Sept. 5. Sewers, Harrison, N. J. ..... Aug. 24
Sept. 6. Sewer, etc., New Hampton, Ia. ..... Aug. 31
Sept. 6. Sewer, Owosso, Mich. ..... Aug. 31
Advertised, Eng. News, Aug. 31.
Sept. 7. Sewage, Ballston Spa, N. Y. ..... Aug. 31
Sept. 7. Sewer, Delaware, O. ..... Aug. 24
Sept. 7. Sewers, Washington, D. C. ..... Aug. 24
Advertised, Eng. News, Aug. 24.
Sept. 9. Sewers, Boise City, Idaho. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 11. Storm sewer, Willoughby, O. ..... Aug. 17
Sept. 11. Sewer, Lebanon, Ind. ..... Aug. 31
Sept. 11. Disposal system, Washington, D. C. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 12. Sewer, Nevada, Mo. ..... Aug. 31
Sept. 13. Sewers, Lexington, Ky. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 14. Sewer system, Shawnee, Okla. ..... Aug. 24
Sept. 14. Sewers, Reading, Pa. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 15. Sanitary sewers, Ft. Worth, Tex. ..... Aug. 31
Sept. 20. Sewers, Salem, O. ..... Aug. 31
Sept. 27. Sewers, Haddonfield, N. J. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.

STREETS AND ROADS.

Aug. 31. Road, Jackson, O. ..... Aug. 24
Sept. 1. Roads and trails, Wallace, Idaho ..... Aug. 10
Sept. 1. Macadam roadway, Fort Hancock, N. J. ..... Aug. 10
Sept. 1. Paving, Elizabeth, N. J. ..... Aug. 17
Sept. 2. Roads, Harrisburg, Pa. ..... Aug. 24
Sept. 4. Sidewalks, Council Bluffs, Ia. ..... Aug. 31
Sept. 4. Cement walks, Crawfordsville, Ind. ..... Aug. 31
Sept. 4. Road, Lisbon, N. H. ..... Aug. 31
Sept. 4. Paving, Bay City, Mich. ..... Aug. 31
Sept. 4. Roads, gravel, Rockville, Ind. ..... Aug. 31
Sept. 4. Paving, brick, Greensburg, Pa. ..... Aug. 31
Sept. 4. Roads, gravel, Decatur, Ind. ..... Aug. 31
Sept. 4. Roads, Jasper, Ind. ..... Aug. 31
Sept. 4. Roads, Greencastle, Ind. ..... Aug. 31
Sept. 5. Gravel roads, Brownstown, Ind. ..... Aug. 31
Sept. 5. Paving, Rensselaer, N. Y. ..... Aug. 31
Sept. 5. Paving, East Palestine, O. ..... Aug. 31
Sept. 5. Paving, etc., Albany, N. Y. ..... Aug. 31
Sept. 5. Paving, Everett, Mass. ..... Aug. 31
Sept. 5. Paving, Bellevue, Pa. ..... Aug. 31
Sept. 5. Cement walks, Hubbell, Mich. ..... Aug. 31
Sept. 5. Paving, Bayonne, N. J. ..... Aug. 31
Advertised, Eng. News, Aug. 31.
Sept. 5. Macadamizing, Findlay, O. ..... Aug. 31
Sept. 5. Paving, brick, Norwalk, O. ..... Aug. 24
Sept. 5. Paving and curbing, Harrison, N. J. ..... Aug. 24
Sept. 5. Paving, Toledo, O. ..... Aug. 24
Sept. 5. Paving, Bisbee, Ariz. ..... Aug. 24
Sept. 5. Paving, Columbus, O. ..... Aug. 24
Sept. 5. Macadam road, Wilmington, Del. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 6. Roads, Providence, R. I. ..... Aug. 24
Sept. 6. Paving, Cincinnati, O. ..... Aug. 24
Sept. 6. Vitrified brick, Mercer, Pa. ..... Aug. 31
Sept. 6. Paving, Dayton, O. ..... Aug. 31
Sept. 6. Paving, etc., Brooklyn, N. Y. ..... Aug. 31
Sept. 7. Paving, Memphis, Tenn. ..... Aug. 31
Sept. 7. Paving, Iola, Kan. ..... Aug. 24
Sept. 8. Road, Ashland, O. ..... Aug. 31
Sept. 8. Paving and curbing, Lima, O. ..... Aug. 31
Sept. 8. Paving, Waukegan, Ill. ..... Aug. 31
Advertised, Eng. News, Aug. 31.
Sept. 9. Roads, Helena, Mont. ..... Aug. 31
Sept. 9. Roads, Boise, Idaho. ..... Aug. 31
Sept. 9. Roads, Washington, Ind. ..... Aug. 31
Sept. 11. Macadamizing, Janesville, Wis. ..... Aug. 17
Sept. 11. Sidewalks, South Orange, N. J. ..... Aug. 31
Sept. 11. Brick paving, Washington, D. C. ..... Aug. 31
Advertised, Eng. News, Aug. 31.
Sept. 12. Paving, Green Bay, Wis. ..... Aug. 31
Sept. 12. Paving, Crookston, Minn. ..... Aug. 31
Sept. 15. Road, Cincinnati, O. ..... Aug. 24
Sept. 18. Paving, Willoughby, O. ..... Aug. 31
Sept. 18. Road, Napoleon, O. ..... Aug. 31
Oct. 4. Paving, Steelton, Pa. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.

MISCELLANEOUS CONTRACTS.

Aug. 31. Dredging, Portland, Me. ..... Aug. 5
Advertised, Eng. News, Aug. 3 to Aug. 31.
Aug. 31. Lock and dam, Nashville, Tenn. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 31.
Sept. 1. Dredging, etc., New York, N. Y. ..... Aug. 24
Sept. 1. Steel manufacture, New South Wales. ..... Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.
Sept. 1. Bonds, Houston, Miss. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to 31.
Sept. 1. Dredging, Columbus, O. ..... Aug. 17
Sept. 1. Garbage disposal, Chicago, Ill. ..... Aug. 17
Sept. 2. Cement, Austria ..... Aug. 17
Sept. 2. Chimney, Erie, Pa. ..... Aug. 17
Sept. 3. Brush mattress, Sacramento, Cal. ..... Aug. 24
Sept. 4. Retaining wall, Cincinnati, O. ..... Aug. 24
Sept. 4. Drainage work, Prophetstown, Ill. ..... Aug. 24
Sept. 5. Drainage ditches, Fort Dodge, Ia. ..... Aug. 24
Sept. 9. Pier, Boston, Mass. ..... Aug. 24
Sept. 9. Ditch, Forrest City, Ark. ..... Aug. 24
Sept. 5. Cement, Billings, Mont. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 7.
Sept. 5. Dredging, Mobile, Ala. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 5. Dredging, San Francisco, Cal. ..... Aug. 10
Sept. 5. Drainage work, Miami, Fla. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Sept. 5. Dam, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 5. Dam, Findlay, O. ..... Aug. 31
Sept. 6. Garbage disposal, New York, N. Y. ..... Aug. 31
Sept. 6. Filling, etc., New York, N. Y. ..... Aug. 31
Sept. 6. Tunnel, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 6. Breakwater extension, Grand Rapids, Mich. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 7. Dredging, New York, N. Y. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 7. Laundry (Mfg. Plants), Toledo, O. ..... Aug. 17
Sept. 7. Track materials, tools, New York, N. Y. ..... Aug. 31
Sept. 7. Soil, gravel, cement, etc., N. York, N. Y. ..... Aug. 31
Sept. 8. Dredging pumps, etc., St. Louis, Mo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 7.
Sept. 9. Derrick, Washington, D. C. ..... Aug. 10
Sept. 9. Concrete work, Florida East Coast Ry. ..... July 27
Advertised, Eng. News, July 27 and Aug. 31.
Sept. 9. Dredging, Charleston, S. C. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Aug. 31.
Sept. 9. Pier, Boston, Mass. ..... Aug. 17
Sept. 9. Construction, Kanawha & West Va. Ry. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 10. Fence, Fort Wadsworth, N. Y. ..... Aug. 17
Sept. 11. Ditch work, Des Moines, Ia. ..... Aug. 24
Sept. 12. Portland cement, Washington, D. C. ..... Aug. 24
Sept. 12. Dredging, New York, N. Y. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.
Sept. 12. Machine tools, Washington, D. C. ..... Aug. 10
Sept. 12. Crane, Washington, D. C. ..... Aug. 10
Sept. 13. Lathe, machine tools, etc., Wash., D. C. ..... Aug. 17
Sept. 14. Light-house, Tompkinsville, N. Y. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Sept. 14. Levee, England, Ark. ..... Aug. 31
Sept. 14. Dredging, New York, N. Y. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 14. Jetty work, Newport, R. I. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 15. Tile drain, Boone, Ia. ..... Aug. 31
Sept. 15. Canal excavation, Chattanooga, Tenn. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.
Sept. 16. Hoist, Washington, D. C. ..... Aug. 10
Sept. 19. Tools, boilers, etc., Washington, D. C. ..... Aug. 24
Sept. 19. Drainage ditch, Council Bluffs, Ia. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Sept. 19. Retaining walls Hartford, Conn. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 20. Dredges, Chile ..... Aug. 24
Sept. 20. Pier work, Grand Rapids, Mich. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 28.
Sept. 22. Steel trestles, Wheeling, W. Va. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 28.
Sept. 22. Rolling mill, etc., Washington, D. C. ..... Aug. 31
Sept. 25. Pier, India ..... Aug. 24
Sept. 20. Rock excavation, Newport, R. I. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Sept. 26. Tunnel, Montrose, Colo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 21.
Sept. 26. Telephones and cable, Washington, D. C. ..... Aug. 31
Sept. 26. Portland cement, Billings, Mont. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Oct. 3. Machine tools, Washington, D. C. ..... Aug. 24
Oct. 10. Harbor works, Egypt ..... Aug. 17
Oct. 17. Earth embankment, Roswell, N. Mex. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Oct. 5.
Nov. 1. Railroads, Philippines ..... June 15
Nov. 9. Wharf, etc., Havana, Cuba ..... July 27
Jan. 1. Statue, Indianapolis, Ind. ..... July 20
Advertised, Eng. News, July 20.
Jan. 2. Railroad, Chile ..... Aug. 24
No date. Excavation, Indianapolis, Ind. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATLANTIC & BIRMINGHAM.—We are advised that WRIGHT, WILLIAMS & WADLEY, of Dalton, Ga., have been awarded contract for 50 miles of heavy railroad work by this company, in eastern and central Alabama. C. Fred Redding, Waycross, Ga., is Secy. and Purchasing Agent for A. & B. Ry.

AUGUSTA & FLORIDA.—Grading is finished for this railway from Augusta to Midville, Ga. The line will be 60 miles long. Noted on July 27.

BELCHER MOUNTAIN.—We are informed that surveys are completed and right-of-way secured, except across Indian settlements, for this railway. It will be about ten miles long, connecting mines of Belcher Camp, Washington, with standard-gage railway at Lambert, Wash. Capitalized at $100,000. D. P. Anderson, Rosalia, Wash., is Pres. and Thomas M. Hammond, Jr., Republic, Wash., is Ch. Engr. Grading is almost completed. Company is itself building the railway.

BALTIMORE & OHIO.—Contract has been awarded to the HOOVER & KINNEAR CO., of Columbus, O., for grading, retaining walls, etc., in connection with extensive improvements to be made at Wheeling, W. Va. Other contracts will be let for new yards, passenger station, track laying, etc. Total cost will be about $2,000,000. D. D. Carothers, Baltimore, Md., is Ch. Engr. Grading is almost completed. Company is itself building the railway.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS.—We are advised that bids will be received at noon, Aug. 31, for masonry work in connection with grade reduction between Coal Bluff and Indianapolis, Ind., on the St. Louis division, amounting to about 65,000 cu. yds. Bids also will be received at same date for grade reduction at Danville, Ind. Work will consist of about 500,000 cu. yds. common excavation and 9,000 cu. yds. masonry. W. M. Duane, Cincinnati, O., is Supt. Construction.

CHICAGO & ALTON.—It is announced that the PATTON & GIBSON CONSTRUCTION CO., of Pittsburg, Pa., has been awarded a contract valued at $750,000 for straightening curves, leveling grades and double-tracking on line between Chicago and Kansas City, Mo.; and between Bloomington, Ill., and St. Louis, Mo. The terminal at Kansas City will be improved extensively, but this work probably will be laid over until next year. E. H. Kimball, Chicago, Ill., is Ch. Engr.

CALIFORNIA.—The Diamond Match Co. will build a 25-mile logging road northeasterly from Stirling City, Cal.

CHERRYVALE, OKLAHOMA, GULF & TEXAS.—W. R. STUBBS CONSTRUCTION CO., of Kansas City, Mo., has the contract for first 215 miles of this railway. The total length will be about 900. It will extend from Caney, Kan., to Pawhuska, Perry and Kingfisher. S. M. Porter is Pres., at Caney.

DULUTH, ST. CLOUD, GLENCOE & MANKATO.—H. F. BALCH & CO., of Minneapolis, Minn., have been awarded the contract for grading between Albert Lea and Cream, Minn.

GAINESVILLE & GULF.—F. M. Simonton, Tampa, Fla., Secy., states that plans for an extension of this line are not yet matured, but that if fulfilled the extension will be from Fairfield, Fla., to Tampa, Fla., about 105 miles. J. W. Bushnell will be Engineer. Noted last week.

GENESEE RIVER RY.—Company has been incorporated in New York with capital of $350,000. The directors are identified with the Erie Railway Co. The Genesee River Co. is another of the so-called "cut-off lines" intended to modify the grades on the Erie main line to the West. Starting from Portage, N. Y., on the Buffalo division, the new road will extend southwest 34 miles, to Cuba, on the main line. Between Hornellsville, where the tracks of the main line and the Buffalo division diverge, and Cuba are two of the heaviest grades on the system. Surveys are now practically completed, it is reported, and contracts for construction of the road will be let within a short time.

GRAND TRUNK PACIFIC.—The NATIONAL CONSTRUCTION CO., of Montreal, Que., has been awarded general contract for building this company's line from Winnipeg, Man., to the Pacific terminal, and also for branch line from Fort William to Lake Superior Junction. Sub-bids will be received by the Construction Co. This work has been noted at various times in Engineering News.

The contract for the complete construction of the roadbed ready for the ties and rails, upon that section of the Grand Trunk Pacific Ry., from Portage la Prairie to Touchwood Hills, N. W. T., 275 miles, was awarded to the McDONALD, MacMILLAN COMPANY, of Westbourne, Man. This does not include the construction of steel bridges. This company has sub-let 50-mile contract to G. H. STREVEL, of Winnipeg, Man.

KANAWHA & WEST VIRGINIA.—Bids are asked by N. C. Van Natta, Ch. Engr., Champ Bldg., Charleston, W. Va., until noon, Sept. 9, for graduation, masonry, trestle work and track laying of 13½-mile extension of this road. (Advertised, Engineering News.)

KENTUCKY.—G. T. Center will begin grading on line from Campton, Ky., to Natural Bridge for Day Bros. John Cruch, of Campton, is Engr.

LAKE SHORE & MICHIGAN SOUTHERN.—The CRARY CONSTRUCTION CO., of Binghamton, N. Y., has contract, it is reported, for three bridges and two tunnels on extension of the L. S. & M. S. Ry., into Clarion County, Pa. C. H. Ackerman is vice-Pres. and C. J. Britnall, Gen. Mgr. of the Construction Co.

MISSOURI PACIFIC.—THE WILLIER CONSTRUCTION CO., of Springfield, Mo., has contract for grading extension from Springfield to Crane, Mo., 32 miles.

MICHIGAN CENTRAL.—Work of constructing tunnel under the Detroit River, noted previously, will begin about Oct. 1, it is announced. The Detroit River Tunnel Co., which will build it, was formed through the merger of the Michigan & Canada Bridge & Construction Co. and the Canada & Michigan Bridge & Tunnel Co. The officers of the new company are: President, W. H. Newman, New York; vice-Pres., H. B. Ledyard, Detroit; Secy., D. W. Pardee, New York; Treas., Charles F. Cox, New York. Benjamin Douglas is Construction Chief; J. C. Mock is Elec. Engr., and A. C. Everham is Terminal Engr. Recently we were advised that the construction of the Detroit tunnel line from Windsor, Ont., to West Detroit yard, Mich., including its electrification, is placed in charge of an advisory board of engineers, consisting of William J. Wilgus, vice-Pres. of the N. Y. C. & H. R. R. R.; Howard Carson, Consulting Engr., and W. S. Kinnear, Ch. Engr. of the Tunnel Co. The Chief Engineer will be in direct charge of construction, reporting to H. B. Ledyard, Chn. of the Board of Directors, on executive and financial matters, and to the Board of Advisory Engineers as to plans, specifications and methods of doing the work.

NEVADA-CALIFORNIA-OREGON RY.—This railway is said to have been acquired by the Gould interests, which will extend it from Madeline, Cal., northward into Oregon. T. F. Dunaway is vice-Pres. and Gen. Mgr., at Reno, Nev.

OREGON.—Frederick Blakeley and J. D. Hamilton, of Roseburg, Ore., are said to contemplate building a railroad from Roseburg to Coos Bay upon condition that $250,000 bonus be raised.

SHAWNEETOWN & WESTERN.—Company has been incorporated in Illinois with $50,000 capital. A railroad will be built from Shawneetown, Gallatin County, through the counties of Gallatin, Hardin, Saline, Pope, Johnson and Massac to a point on the Ohio River in Massac County. The incorporators and first board of directors are John Gilbert, H. B. Pierce, J. L. Murphy and William H. Moore, of Golconda, Ill., and Charles E. Turner, of New York City.

TEXAS.—Orton G. Campbell, of Dallas, Tex., probably will build a railroad between Lometa and San Saba, Tex., 22 miles long. Right-of-way is secured.

TRINITY & BRAZOS VALLEY.—P. M. JOHNSON & CO., Mexia, Tex., who have contract for 200-mile section on this railroad, as noted on Aug. 24, have announced that sub-contracts will be let.

WASHINGTON.—E. W. Cummings, C. E., of Seattle, Wash., is running a preliminary survey for a railway to be built between Waterville and Wenatchee.

WALLULA PACIFIC.—Charter has been granted this company in Washington. Capital stock is $1,000,000. The incorporators are L. Gerlinger, of Portland, Ore.; J. P. Stapleton, E. M. Rands and G. M. Lyons, of Vancouver, Wash. A railroad 100 miles long will be built.

WESTERN PACIFIC.—We are informed that contract probably will be awarded this week in San Francisco for building this railway.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

EAST WINDSOR, CONN.—We are advised that the following contracts have been let by the Hartford & Springfield St. Ry. Co. for extension through East Windsor, Broad Brook, Melrose and Ellington, to Rockville, 13 miles: General contract, NATIONAL RAILWAY CONSTRUCTION CO., 53 State St., Boston; bridges, BERLIN CONSTRUCTION CO.; overhead work, H. W. JOHNS-MANVILLE CO.; generators, etc., CROCKER-WHEELER CO., Ampere, N. J. George L. Taylor, Warehouse Point, Conn., is Ch. Engr. H. & S. Ry.

CLINTON, N. Y.—The Oriskany Valley Electric Ry. Co. has made a preliminary survey for a line connecting Clinton, Deansboro, Waterville and Oriskany Falls. Right of way is secured and maps are said to be prepared. Water power of Oriskany Creek, about four miles south of Clinton, will be developed.

TRENTON, N. J.—Louis C. Taylor, Secy. of the Trenton, Hamilton & Ewing Electric Ry. Co., announces that line will be built soon, from Trenton to Trenton Junction and to Hamilton Square. Karl G. Roebling is Pres.

YORK, PA.—It is reported that S. M. Manifold is running a survey for an electric railway between Airville and Red Lion, via York Furnace. The line would be about 15 miles long.

NORTHUMBERLAND, PA.—We are informed that the Northumberland County Traction Co. has made a survey and secured nearly all right of way for a 9-mile line from East Lewisburg, via Montanoon, to Northumberland. This line is an extension of the Lewisburg, Milton & Watsontown Passenger Ry. Co. D. A. Hegarty, 30 Broad St., New York City, is Gen. Supt. Louis H. Mountney, Milton, Pa., is Supt.

POTTSVILLE, PA.—The Pottsville Union Traction Co. has issued orders for the construction at once of a line between Frackville and St. Clair, six miles long. D. J. Duncan, Pottsville, is Supt. Clarence P. King, Real Estate Trust Bldg., Philadelphia, is Pres.

PHILADELPHIA, PA.—A Philadelphia report states that "Theodore Voorhees, First Vice-Pres. of the Reading Ry. Co., confirmed the story that the company has determined to adopt electricity as the motive power for its suburban trains."

TAKOMA PARK, D. C.—The Baltimore & Washington Transit Co., of Maryland, has been granted a right of way from the District line at Laurel Ave. to Flower Ave., Takoma Park, for a single-track electric railway.

MIDDLEBROOK, VA.—We are advised that the Virginia Valley Traction Co., recently chartered, is now securing right of way at Middlebrook for a 17-mile gasoline line. Capital is secured and contracts will be let about Nov. 1. H. B. Sproul, Staunton, Va., is Pres. T. Lewis, Staunton, is Ch. Engr. H. G. McGary, Middlebrook, is Secy.

FAYETTE, W. VA.—Contract for grading line for the Fayette & Fayetteville R. R. will be let about Sept. 1. Phillip Konrad, Kanawha Falls, W. Va., is Engr. A. D. Roberts, Fayette, is Gen. Mgr.

MANNINGTON, W. VA.—We are informed that the Mannington Light & Power Co. will build an electric railway to Fairmont, W. Va., via Underwood and Barrackville, 15 miles. Two miles will be completed by Oct. 1, 1905. Wm. H. Forbes, Mannington, is Mgr.

RALEIGH, N. C.—We are informed that surveys have been completed and right-of-way partly secured for the Raleigh & Durham Passenger & Power Co., from Raleigh to Durham, 22 miles. Plans are now being prepared by John D. Twiggs, Jr., Ch. Engr., at Augusta, Ga. B. S. Jerman, Raleigh, is Pres.

MONTGOMERY, ALA.—Bids will be received until Sept. 4 by city council of Montgomery, for the right to lay, construct, maintain and operate a single-track street railway for the operation of electric passenger cars over certain streets in the city with the necessary curves, switches, turnouts and the necessary connection with the track of the Montgomery St. Ry. C. P. McIntyre, Acting Mayor.

UNION CITY, TENN.—L. S. Parks and H. C. Stanfield, of Union City, are interested in promoting the Union City & Reelfoot Lake Ry. from Union City to Tiptonville, Tenn. Jeff. Read, of Paducah, Ky., is also interested.

CANTON, O.—We are informed that right-of-way is secured except at terminals for the Canton, Akron & Youngstown Ry. It will extend from Canton to Youngstown, via Middlebranch, Hartville, Mogadore, Congress Lake, Akron, Deerfield, Berlin Center, etc., 63 miles. Capital will be secured at once. J. Royal Snyder, Canton, is Pres.

YOUNGSTOWN, O.—It is reported that the CLEVELAND CONSTRUCTION CO., of Cleveland, O., will build the Youngstown & Ohio River Ry. Fully noted on Aug. 24.

MANSFIELD, O.—The Mansfield & Mount Vernon Traction Co. have been granted until Aug. 10, 1907, to construct and operate a line between Mansfield and Mt. Vernon, O. This is a renewal of a franchise granted two years ago.

FORT WAYNE, IND.—The Muncie, Hartford & Fort Wayne Traction Co. has been granted a franchise in Fort Wayne. The line into this city will be an extension from Bluffton.

LAGRANGE, IND.—The St. Joseph Valley Traction Co., of Elkhart, Ind., will build an extension to Angola, from Lagrange. M. L. Swinehart, Goshen, Ind., is Supt. and Ch. Engr.

WABASH, IND.—The Indiana Northern Traction Co. will extend its line from Wabash to North Manchester, 14 miles. J. A. Barry, La Fountaine, Ind., is Gen. Mgr. and Pur. Agent.

INDIANAPOLIS, IND.—Financial backing is reported to have been secured for building the Indianapolis, Newcastle & Toledo Elec. Ry. Capital is $3,500,000. D. M. Parry, W. E. Stevenson, Charles S. Hernly and Eli Marvin are interested. The Newcastle-Indianapolis Construction Co., of Indianapolis, has been incorporated to construct the electric railway. The incorporators of this company are: LeGrande Marvin, Frost B. Hernly, Warren D. Oades, Fred Cline and George H. Brannon.

BELLE PLAINE, IA.—We are informed that the Iowa Valley Interurban Ry. Co. is ready for location survey. Two preliminary surveys have been run. All necessary franchises are secured. The proposition is now waiting for capital. H. R. Mosnat is Secy. and George W. Voss, Pres., at Belle Plaine. The line will be about 28 miles long, extending from Keystone to Belle Plaine and from Keystone to Vinton.

SISSETON, S. DAK.—H. S. Morris, J. A. Rickert and H. L. Spackman, all of Sisseton, plan to build an electric railway to Hankinson, N. Dak.

KANSAS CITY, MO.—The Kansas City, Lees Summit & Eastern Electric Ry. Co. has been chartered. It will build from Kansas City to Lonejack and Lees Summit, Mo. J. J. Apperson, L. M. Brantam, W. M. A. Summitt, J. H. Suttin and W. F. Johnson, all of Kansas City, are the incorporators.

PALESTINE, TEX.—An electric railway between Coriscana and Palestine, via Fairfield, is under consideration. Address Frank Morris, of the Palestine Board of Trade.

PAULS VALLEY, IND. T.—This place has raised bonus for the Oklahoma City, Lexington & Sulphur Springs Elec. Ry. Fully noted on Aug. 10.

MARYSVILLE, CAL.—George E. Springer is securing right-of-way for the Northern Electric Ry. across Sutter County. Noted on Aug. 10. The line will extend from Oroville to Chico. The incorporators of the company were: Henry A. Butters, of Alameda County; David S. Edwards, Oakland; Alpheus W. Clement, Alameda; Charles A. Rose, San Francisco; Adolph Loessel, San Francisco.

SAN FRANCISCO, CAL.—The Ocean Shore Ry. Co. will take bids about Sept. 1 for building its railway between San Francisco and Santa Cruz, 82 miles. It is to be standard gage. A. D. Bowen is Mgr. A meeting of stockholders will be held to consider plan to double-track the line, involving additional cost of over $1,000,000.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

ST. JOHNSBURY, VT.—We are informed that contracts are let for machinery for new power plant for the St. Johnsbury Electric Co., to be erected at Passumpsic, Vt. Contract for building not yet awarded. E. E. Gage is Secy. I. W. Jones, Milton, N. H., is Engr. Est. cost of plant, $25,000.

BRISTOL, VT.—We are advised that the power dam to be built [illegible] River by the Lake Dunmore [illegible] tion Co. will probably [illegible] E. D. Blackwell, Mgr. [illegible] Brandon, Vt., is interested. [illegible] tosh, of Burlington, Vt. [illegible]

READSBORO, VT.—The [illegible] Power Co. has been [illegible] a power plant on Deerfield River [illegible] Morton, of Hartford, Conn., [illegible] back, of Caanan, Conn., [illegible] of Readsboro, Vt., are [illegible] 4,000-HP. will be generated [illegible]

PITTSFIELD, MASS.—The [illegible] Co. will erect a $15,000 power [illegible] Church St.

UNION FALLS, N. Y.—CAGHEY CO. of Little Falls, N. Y., has been awarded contract by [illegible] Hotel Co. for two electric [illegible] at Unionfalls and the other [illegible] Falls, N. Y. W. J. Berrigan [illegible] is Consult. Engr.

CAMDEN, N. Y.—JAMES [illegible] has been awarded contract for [illegible] nicipal lighting plant.

MILFORD, N. J.—W. E. [illegible] ford, may erect an electric light plant at this place.

FREEHOLD, N. J.—We are informed that bids are asked by the Manufacturers Light Co. until Sept. 7 for water wheels, [illegible] steel flume, concrete dam [illegible] for its new plant. THE GENERAL ELECTRIC CO., of Schenectady, N. Y., has contract for dynamos. Wm. J. Lansley is Vice-Pres. and Engr.-in-Chief, at Woodbridge, N. J. Estimated cost of plant is $[illegible]. Noted on July 27.

WYNNEWOOD, PA.—Heacock & Hokanson, Archs., 931 Chestnut St., Philadelphia, have plans for a central steam heating plant for W. B. Smith, at Wynnewood. W. A. Drysdale, Hale Bldg., Philadelphia, is Engr.

PITTSBURG, PA.—The Central Pennsylvania Traction Co. will erect a high-power electric power station at cost of about $200,000, on South Cameron St. F. M. Davis is Supt., 12 South Second St.

WEATHERLY, PA.—JERRE WOODRING & CO., of Hazleton, Pa., were awarded contract to build a new municipal electric lighting plant for this town. M. L. Smith is Chief Burgess.

SPRINGDALE, PA.—We are informed that the Springdale Power Co. proposes to generate 5,000 HP. from waters of the Allegheny River, at Springdale. The power dam is already constructed. The plant probably will be begun in September, but bids for the work have not been asked yet. For particulars address H. P. Dilworth, Penn Bldg., Pittsburg. Noted fully on Aug. 3.

GREENCASTLE, PA.—The Greencastle Light, Heat & Power Co. has been granted a charter. Capital, $10,000. Harry C. Hollinger, of Philadelphia, is Treas.

BALTIMORE, MD.—Bids are asked until Sept. 27 by James Knox Taylor, Supervising Arch., Treasury Dept., for installing complete conduit and electric wiring system in U. S. custom house at Baltimore. Horn-blower and Marshall, 1509 H St., N. W., Washington, D. C., are Archs.

(Westport post-office station).—The contract for building power house for the Consolidated Gas, Electric Light & Power Co., at Westport, has been awarded to the BALTIMORE FERRO-CONCRETE CO. Cost, about $150,000. Simonson & Pietsch are Archs.

CHESTERTOWN, MD.—We are advised that bids probably will not be asked until after February, 1906, for proposed electric plant at Washington College. Noted on July 6.

WASHINGTON, D. C.—Bids are asked by the Bureau of Supplies and Accounts, Navy Dept., Washington, until 10 o'clock, Sept. 12, for the construction of a power house about 71 ft. 2 ins. long by 34 ft. 2 ins. wide, and with 16 ft. 6 ins. clear head room, on the grounds of the U. S. Naval Medical School, Washington. H. T. B. Harris, Paymaster-Gen., U. S. N.

VALDOSTA, GA.—We are informed that bids will be received at once for a complete gas plant, five miles of street mains, service meters and all apparatus appertaining to a complete gas plant for the Valdosta Gas Co. C. R. Miller, Gen. Supt., may be addressed at Tallahassee, Fla. Estimated cost, $50,000.

MOUNDSVILLE, W. VA.—The Blankensup Mfg. Co. has been chartered for purpose of producing and selling electricity for lighting, heating, power, and for building and maintaining conducting lines for its distribution. Capital, $50,000. Incorporators: R. G. Blankensop, J. D. Burley, Herman Ketler and B. M. Spur, of Moundsville; and A. E. Holderman, of Pittsburg, Pa.

STATESVILLE, N. C.—City has voted to issue bonds for improving electric light plant. J. D. Cochran is Supt.

FORT GAINES, GA.—It is reported that the Interstate Water-Works & Construction Co., Washington, D. C., will build a water-works and electric-light plant at Fort Gaines.

JACKSONVILLE, FLA.—THE FORT WAYNE ELECTRICAL WORKS, of Fort Wayne, Ind., has been awarded contract for a 300-KW. generator for municipal electric light plant. Bids will be received for new equipment to cost about $25,000. R. N. Ellis is Supt.

ST. AUGUSTIN, FLA.—The St. John's Power Co. will erect an electric plant. Goold T. Butler is Engr.

TROY, ALA.—The Troy Gas Co. has been organized with H. L. McKee, of Meridian, Miss., as Pres.; W. H. Samford, Vice-Pres., and J. S. Allred, Secy. Company will furnish gas for light and fuel. About $50,000 will be invested, it is reported.

KNOXVILLE, TENN.—Bids will be received by Board of Public Works for lighting the city.

TOLEDO, O.—Chas. S. Ashley, Pres. Central Lighting & Heating Co., Zenobia Bldg., is reported to be receiving bids for enlarging the capacity of the company's plant.

GALION, O.—The Crawford County Gas & Electric Co. has been granted a franchise to erect an electric power plant.

HAMILTON, O.—The Cincinnati Northern Traction Co. has decided upon site for its power plant. It will be erected at Lindenwald. The plant will cost about $600,000.

READING, O.—We are informed that bids will be received about September 20 for new equipment for municipal electric plant. Cost about $20,000. There will be required two 250-HP. water-tube boilers or three 72-in. x 16-ft. fire tube boilers; one 275-HP. engine; two 100-KW. and one 200-KW. alternators; 75 7½-amp. inclosed arc lamps; switches, board instruments, transformers, etc. George Hornung, 612 Johnston Bldg., Cincinnati, is Designing Engr. Plant is operated by steam. Frank Vorjohan, Pres. Board Public Works. Barrett A. Burns is Supt. Capacity will be 75 2,000-c.p. arc lights and 6,000 16-c.p. incandescent lights. Noted on August 17.

SULLIVAN, IND.—Town has granted Charles Draper, of Sullivan, a franchise to build and operate a gas plant.

FORT WAYNE, IND.—No bids were received by Board Public Works on August 24, we are advised, for constructing and installing gas plant. H. W. Becker, Clk.

OOLITIC, IND.—We are informed by George Cadogan Morgan, Engr., Chicago, that proposition to erect an electric light and water-works plant has been postponed until next year. Estimated cost is $23,000. Noted on June 29.

ROSE CITY, MICH.—James Monaghan and Frank G. Bell, who recently were granted franchise, will soon install an electric lighting plant.

FREEBURG, ILL.—Village has voted to erect a municipal light and power plant. Estimated cost, $10,000.

GRAND RAPIDS, MICH.—Application for charter has been made by the Grand Rapids Electric Light Co. The corporation is capitalized at $15,000 with the entire amount paid in. Walter C. Winchester F. C. Miller and E. A. Stowe are named as stockholders. Company will manufacture electricity for lighting purposes.

The Cascade Electric Co. has been formed and has applied for a franchise to use the streets for light and power purposes. A dam will be constructed on Thornapple River and electricity transmitted to this city. E. A. Stowe, Henry Idema, Walter C. Winchester and C. C. Follmer are interested in the project. Frederick C. Miller is Mgr.

MENOMINEE, MICH.—We are informed that William Holmes & Son, of Menominee, will erect an electric power plant on Grand Rapids River near Ingalls, Mich., at probable cost of $250,000. Engineer has not been appointed. Bids will not be received for some time.

PITTSBURG, KAN.—THE C. A. BURTON MACHINERY CO., of Kansas City, Mo., has been granted contract for complete electric light and power plant for Pittsburg.

WISNER, NEB.—We are advised that bids will be received in September for a municipal lighting plant. Est. cost, $9,000. Plant will have capacity of five 1,400-c.p. arc lights, and 750 16-c.p. incandescent lights. G. W. Topkin, Kansas City, Mo., is Engr.

KANSAS CITY, MO.—The Olathe Gas Co. has been chartered to manufacture artificial gas. Capital stock, $200,000. Incorporators: A. F. Smith, L. F. Davidson, M. C. Beckwith, Katherine Zander, C. W. Prince, all of Kansas City.

PARAGOULD, ARK.—City is arranging to install electric lighting plant. Address Jason Light, Secy. to Board of Aldermen.

SAN ANTONIO, TEX.—Charles Zinker, a local capitalist, is securing preliminary estimates on an electric light plant for this city.

SHAWNEE, OKLA.—Willis Fertig, of Titusville, Pa., has been granted franchise to operate an electric lighting plant here.

BELLINGHAM, WASH.—H. H. Taylor, Pres., Bellingham Bay Improvement Co., at San Francisco, Cal., has stated that plans are under way for enlarging company's lumber mill, at cost of $100,000, and for building a $500,000 power plant, at Puget Sound.

ELGIN, ORE.—H. D. Spencer has been granted a franchise to construct and operate an electric light plant at Elgin.

SAN BERNARDINO, CAL.—We are informed that committee appointed by city council, Board of Trade and Merchants' Association to consider matter of municipal lighting plant is now getting data. W. M. Parker is member of committee.

SAN LUIS OBISPO, CAL.—Contract has been awarded to C. C. MOORE CO., San Francisco, Cal., for equipment for enlarging plant of the San Luis Gas & Electric Co. B. F. Thomas is Mgr. A. M. Hunt, 614 Mission St., San Francisco, is Engr.

PROVO CITY, UTAH.—We are informed that bonds have been voted for municipal electric lighting plant. Plans are not yet completed by Frank C. Kelsey, Designing Engr., Salt Lake City. Cost of generating plant is $46,500, exclusive of transmission lines and distributing system. Bids probably will be received about December 1.

SALT LAKE CITY, UTAH.—City council has granted a gas franchise to George W. Snow and William Durst.

MONTREAL, QUE.—The Montreal Light, Heat & Power Co. has employed the Ambursen Hydraulic Construction Co., of Boston, as Contracting Engrs. to reinforce its solid dam at Chambly on the Richelieu River. The work involves the laying of several thousand yards of concrete under from 20 ft. to 25 ft. of water. The work will largely be performed by divers, we are informed. It will be carried on night and day by the use of submarine electric lights.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

SKOWHEGAN, ME.—Following bids were received Aug. 21 for building superstructure of steel highway bridge over Kennebec River, E. H. Greenwood, Engr. in charge: Eastern Bridge & Structural Co., Worcester, Mass., $24,500; Boston Bridge Works, 47 Winter St., Boston, Mass., $20,406; AMERICAN BRIDGE CO., 291 St. John St., Portland, Me., $21,800 (awarded contract).

CONCORD, N. H.—The Boston & Maine Railroad, H. Bissell, Ch. Engr., Boston, Mass., through its engineering department has worked out a plan which contemplates doing away with several grade crossings and the relocation of East Concord bridges, also the building of a bridge over Wattanumen brook. The expense to the railroad will be $116,000 and to the city about $5,000.

BOSTON, MASS.—We are informed that the following bids were received by the Metropolitan Park Commission, J. R. Rablin, Engr., 14 Beacon St., Aug. 21 for building Granite Branch Bridge, Furnace Brook Parkway: Globe Const. Co., Boston, $20,663; Patrick McGovern, Boston, $20,613; D. F. O'Connell Co., Boston, $20,267; JOHN CASHMAN, Quincy, $19,860 (awarded contract).

NEWBURYPORT, MASS.—County Commissioners awarded contract for construction of temporary bridge over Gloucester Canal to J. W. BALCOMB, of Salem, for $3,134.

BRIDGEPORT, CONN.—The contract for construction of reinforced arch bridge over Ash Creek has been awarded to STANDISH STONE CORPORATION, of Bridgeport. Itemized bids appeared in issue of Aug. 17 under Contract Prices.

NORRISTOWN, PA.—County Commissioners awarded contract for the erection of steel bridge 75 ft. long over Zacharias Creek in Worcester Township. The successful bidder for steel superstructure was the EYRE CONSTRUCTION CO., Arcade Bldg., Philadelphia, for $3,350. Jas. M. Smith, of Perkiomenville, got the contract to do the stone work at $5.89 per sq. yd.

ALLENTOWN, PA.—County Commissioners have instructed County Engineer to prepare plans for new bridge to be built over Saucon Creek at Shimersville.

TITUSVILLE, PA.—We are informed that the following are the total bids received Aug. 21 by W. M. Dame, Cy. Clk., for constructing three bridges: Groton Bridge Co., $3,000; Jas. W. Dwyer, of Corry, $3,154; Penn Bridge Co., of Beaver Falls, $2,917.

COLUMBUS, PA.—The contract has been placed from the office of W. C. Cushing, Engr. of M., of Southwest system, Pennsylvania lines west, for the erection of a bridge over Pittsburg division tracks at North 20th St., Columbus. The bridge will be a steel structure for pedestrians. The contract amounts to $15,000.

WASHINGTON, D. C.—Bids are asked until noon Sept. 25 for construction of concrete steel bridge over Washington Channel in approach to highway bridge over Potomac River. Lt.-Col. R. L. Hoxie, U. S. Engrs. (Advertised, Engineering News.)

NORFOLK, VA.—The contract has been let by the Norfolk, Portsmouth & Newport News Co., to the VIRGINIA BRIDGE & IRON CO., of Roanoke, for a 90 ft. drawbridge to cross Western branch of Elizabeth River.

WHEELING, W. VA.—Sealed proposals will be received by Maj. Geo. A. Zinn, U. S. Engrs., until Sept. 22 for furnishing steel trestles for dams on Kanawha River.

NATCHITOCHES, LA.—Bids are asked by Police Jury of Natchitoches Parish, P. E. Prudhomme, Pres., until Oct. 3 for erection of steel bridge over Cane River at Bermuda. Plans and specifications may be seen at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

COLUMBUS, O.—Bids are asked by County Commissioners until Sept. 14 for reflooring roadway of bridge across Scioto River at Mound St., Columbus. L. E. Jones, County Audr.

CHILLICOTHE, O.—Bids are asked by Chas. H. Pinto, County Audr., until Sept. 11 for constructing two steel superstructures for two single span highway bridges, one to be constructed across Salt Creek in Jefferson Township, 199 ft. long, and the other over Herod's Creek in Concord Township, 79 ft. long.

BOWLING GREEN, O.—B. C. Harding, County Audr., informs us that the County Commissioners awarded contract for erecting iron bridge in Freedom Township to the CANTON (O.) BRIDGE CO., for $4,350.

CLEVELAND, O.—An ordinance has been passed by City Council authorizing an expenditure of $2,700 for constructing a foot bridge over Big Creek, in Brookside Park. Peter Witt, Cy. Clk.

ST. CLAIRSVILLE, O.—County Commissioners have let contracts for five bridges in this county. The contract for three superstructures was awarded to BELLEFONTAINE (O.) BRIDGE CO. and for two to the BRACKETT BRIDGE CO., of Cincinnati. The Bellefontaine Co. will erect bridge at Barton for $1,655, bridge at Wheeling Creek Coal Works, two spans, for $2,62?, and the one at Cole's Mills, in Wayne Township, for $1,269. The Brackett Co. will erect bridge at Moore's Run for $400 and the one at Waddell's, in Kirkwood Township, for $410.

CLEVELAND, O.—Sealed proposals will be received by County Commissioners until 11 a. m., Sept. 6 for construction of concrete culverts. Julius C. Dorn, County Clk.

GERMANTOWN, IND.—It is stated that a new iron bridge will be built over Plum Creek, south of this place, during the present year.

MONTICELLO, IND.—Bids are asked by County Commissioners until Sept. 6 for constructing and repairing of bridges throughout the county. J. L. Ackerman, County Audr.

PETERSBURG, IND.—Almost every bridge in the county was washed away by storm of Aug. 14. Jos. A. Carr is County Surv.

PORT HURON, MICH.—The Military St. bridge crossing the Black River has been examined by experts and found to be dangerous. The Common Council will take immediate steps for a new bridge, at an estimated cost of $65,000. W. W. Phillips is Cy. Engr.

FULTON, ILL.—The Board of Supervisors awarded contract for construction of a steel bridge here to the CLINTON (Ia.) BRIDGE & IRON WORKS, for $4,000.

DECATUR, ILL.—Highway Commissioners have petitioned the Board of Supervisors for county aid in building new bridge to replace county bridge south of the city. The improvement will cost $15,000.

RACINE, WIS.—Press reports state that the City Council has awarded contract for building new Main St. bridge to the WISCONSIN BRIDGE & IRON CO., of Milwaukee, for $65,597.

PORTAGE, WIS.—The Council has appropriated $2,500 for a temporary pile bridge across Wisconsin River.

LEAVENWORTH, KAN.—Bids will be received by M. A. Przybylowicz, Cy. Clk., until 4 p. m., Sept. 6, for constructing steel I-beam bridge, with concrete abutments, at Eighth and Shawnee Sts. Est. cost, $5,874. Ed. Jones, Cy. Engr.

JAMESTOWN, N. DAK.—We are informed that bids are asked by Andrew Blewett, County Audr., until Sept. 4 for constructing steel pile bridge across James River. Est. cost, $3,200.

BISMARCK, N. DAK.—Bids are asked by County Commissioners until 11 a. m., Sept. 5, for construction of bridge in Cromwell Township. I. W. Healy, County Audr.

KANSAS CITY, MO.—Reports state that the Kansas City Belt Ry. Co. will arrange at once for the beginning of construction work on four viaducts which have been contemplated for some time. Geo. M. Walker is Engr.

SEGUIN, TEX.—This county will issue $20,000 of bonds for the purpose of constructing bridge across Guadalupe River near here.

PORT ORCHARD, WASH.—Sealed bids will be received by County Commissioners until Oct. 2 for construction of a bridge, 480 ft. long, with lift draw. R. S. Hayward, County Audr.

SPOKANE, WASH.—Contract for $30,000 worth of steel and iron required on bridges of the Spokane International Railway, was let to the MINNEAPOLIS STEEL & MACHINERY CO., represented by E. L. Batchelder.

ONTARIO, ORE.—The County Court has awarded the contract for construction of the Malhour and Owyhee bridges to H. J. WARD & CO., of Lincoln, Neb. Cost, $18,000.

ENTERPRISE, ORE.—County Commissioners will receive bids until Sept. 6 for construction of three bridges across Wallowa River. J. A. French, County Clk.

RIPON, CAL.—We are informed that the PACIFIC CONSTRUCTION CO., of San Francisco, was awarded contract Aug. 14, for the erection of a reinforced concrete bridge at Ripon over Stanislaus River for $26,483. A. L. Finney, Co. Surv., Modesto.

SAN FRANCISCO, CAL.—It is stated the Board of Supervisors has awarded the HEALY-TIBBITS CONSTRUCTION CO. the contract for constructing approach to Third St. bridge, at $11,242.

VENTURA, CAL.—Bids for the proposed bridges across Ventura and Sespe Rivers were opened Aug. 12 by Board of Supervisors and the same were all rejected. It is probable that the matter will not be again taken up until next spring. The bids submitted were as follows: Atlantic, Gulf & Pacific Co., of San Francisco—Sespe bridge, $29,504; Ventura bridge, $19,562; both, $49,066. American Bridge Co., of New York City—Sespe, $40,000; Ventura, $27,000. Burrill Construction Co., of Oakland—Sespe, $39,837; Ventura, $26,935; both, $65,772. Clinton (Ia.) Bridge & Iron Works—Sespe, $32,495; Ventura, $25,142; both, $56,601. Healy Tibbits Construction Co., of San Francisco—Sespe, $34,839; Ventura, $22,943; both, $57,600.

WEAVERVILLE, CAL.—Bids are asked by R. L. Carter, County Clk., until 10 a. m., Sept. 8 for construction of wagon bridge across east fork of Trinity River.

REDDING, CAL.—Bids will be received by W. O. Blodgett, County Clk., until 10 a. m., Sept. 6, for constructing steel Pratt truss bridge, 150 ft. span, and approaches.

MOSCOW, IDAHO.—Bids are asked by County Commissioners until Sept. 11 for construction of three bridges across Paradise Creek. A. P. Ramsteadt, Clk.

INGERSOLL, ONT.—City Council has decided to build a steel bridge over river at McKeand St.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

PORTSMOUTH, N. H.—Bids were received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., Aug. 19, for naval prison extension at navy yard, Portsmouth, N. H., as follows: Otis Elevator Co., 17 Battery Place, New York City, item 5, $4,900. William N. Tobin, 407 South Clinton St., Syracuse, N. Y., item 6, $3,315, add $268 conditionally; 7, $3,117; 13, $17,226. The Snare & Triest Co., 143 Liberty St., New York City, item 3, $125,500; 4, $4,500; 8, $400; 9, $3,100; 10, $1,800; 11, $3,000; 12, $45,000; 17, $125,500. John P. Sweetser, 46 Market St., Portsmouth, item 7, $2,900 and $2,800; 13, $13,447; 14, $700; 16, $16,227; 16, $15,327. Burnham & Stevens, 116 Dartmouth St., Boston, Mass.; item 7, $2,844; 13, $12,090; 14, $795; 16, $14,794. Huey Bros., 35 Hartford St., Boston, item 6, $2,737; 7, $2,087; 13, $12,222; 14, $1,257; 16, $14,309. Penn Bridge Co., 312 Bond Bldg., Washington, D. C., item 3, $130,500; 4, $4,950; 9, $2,900; 10, $1,700; 11, $2,700; 12, $47,800; 15, $2,000. Thompson & Spear, 30 Oliver St., Boston, item 7, $4,277; 13, $13,300; 14, $1,166; 16, $17,777. The Marine Engine & Machine Co., 126 Liberty St., New York City, item 5, $4,708. Jas. Wilkinson & Co., 51 Franklin St., Boston, $2,542, conduits, administration building; $1,389, same, prisoners' wing; $123, same, elevator. General Fire Extinguisher Co., 170 Westminster St., Providence, R. I., item 6, $3,900. Mesker & Bro., 421 South Sixth St., St. Louis, Mo., item 12, $49,975; 15, $4,703. Walworth Construction & Supply Co., 100 Pearl St., Boston, item 6, $3,288.

HARTFORD, CONN.—The contract for new brick and stone dormitory for Connecticut Agricultural College has been let to the H. WALES LINES CO., of Meriden, for $60,000.

FORT TOTTEN, N. Y.—Bids are asked until 1 p. m., Sept. 15, for storm vestibules and storm sash to be installed in 14 buildings at this post. Capt. Geo. H. McManus, Constructing Q. M. (Advertised, Engineering News.)

NEW YORK, N. Y.—M. B. FOSTER ELECTRIC CO., 949 Broadway, has been awarded the contract for electric wiring for the $75,000 residence to be erected at 19 East 57th St., for C. M. Ditson, 867 Broadway. C. P. H. Gilbert is Arch., 1123 Broadway.

Plans have been completed by Moore & Landsiedel, Archs., 148th St. and Third Ave., for $150,000 apartment house, to be erected at 137th St. and Riverside Drive for the Transit Realty Co., 198 Broadway. Brick and stone, 6 stories, 100x100 ft. Owners are taking figures.

Plans have been completed for a $100,000 apartment house to be erected at 148th St. and Convent Ave., for Chas. Progan, 540 West 112th St., Neville & Bagge are Archs., 217 West 125th St.

Plans have been completed for new lodging house to be erected at 25th St. and First Ave., for the city. Brick and stone, fireproof, 6 stories, 90x100 ft. R. F. Almirall, 51 Chambers St., is Arch.

C. B. Meyers, Arch., 1 Union Sq., has completed plans for $100,000 apartment house to be erected at 97th St. and Park Ave., for A. Schlesinger, 65 East 103d St. Owner will do building and is taking figures on sub-contracts.

Robt. Arnstein is taking figures on an apartment house he intends to erect at 138th St. and Cypress Ave. John Hauser is Arch., 360 West 125th St. Cost, $125,000.

Plans have been completed for an apartment house to be erected at 185th St. and Amsterdam Ave., for M. Goodman, 1745 Lexington Ave. Horenburger & Straub, 122 Bowery, are Archs. Cost, $100,000.

Ernest Flagg, Arch., 35 Wall St., is taking figures on switch-boards and electric wiring for the $400,000 club house in course of erection at 247-9 West 54th St., for the Automobile Club of America. Dawson & Archer, 150 Fifth Ave., have contract for mason work.

NEW ROCHELLE, N. Y.—EDW. E. PAUL has the general contract at $85,000 for erecting high school building.

TROY, N. Y.—Plans for new four-story main building of the Rensselaer Polytechnic Institute have been filed at the Department of Buildings, and a permit granted. Est. cost, $125,000. Palmer C. Ricketts is Pres.

PERRY, N. Y.—The proposition to appropriate $50,000 to build school house has been voted by the town.

ALBANY, N. Y.—Reports state that the J. G. Myers Co. will rebuild its building which recently collapsed, at a cost of about $100,000.

MONTCLAIR, N. J.—H. P. NELSON, of Montclair, has been awarded general contract for erecting $75,000 residence on Mountain Ave., for E. A. Bradley. Grosvenor Atterbury, 20 West 43d St., New York City, is Arch.

EAST ORANGE, N. J.—C. F. COYNE, of South Orange, was awarded mason contract and MENZEL & KLIEFUSS, of East Orange were awarded contract for carpenter work for $100,000 residence to be erected at East Orange for Mrs. F. M. Johnson, of Montclair. Van Vleck & Goldsmith, 111 5th Ave., are Archs.

ORANGE, N. J.—Bids are being received by H. D. Hale, Arch., 92 Williams St., New York City, for erecting high school building at Orange. Brick and stone, 5 stories, 80 x 120 ft.

SOMERSET, N. J.—The Somerset County Board of Freeholders will advertise for new bids for the new jail building. The two bids from Doren Iron Works, of Cleveland, O., and Richards & Gaston, $49,716, and $50,907, respectively, exceed the appropriation.

HARRISBURG, PA.—The Security Trust Co. has been formed with a capital of $125,000. The company is looking for site upon which to build. Geo. A. Gorgas is temporary president.

SCRANTON, PA.—Edward H. Davis, Arch., Connell Bldg., has invited bids for a department store for E. M. & G. M. Clark.

RENOVA, PA.—T. F. Miller, Arch., 1126 Walnut St., Philadelphia, is preparing plans for church for the First Reformed Congregation. Cost, $50,000.

WILKESBARRE, PA. — McCormick & French, Archs., Laning Bldg., have plans ready for bids for hotel for John Redington. Cost, $125,000.

PHILADELPHIA, PA.—Plans for the new $250,000 veterinary hospital of the University of Pennsylvania, are in the hands of the architect. Dr. Leonard Pearson is dean of veterinary dept.

BALTIMORE, MD.—Bids will be received at office of James Knox Taylor, Supervising Arch., Washington, D. C., until 3 p. m., Sept. 28, for installation complete of boiler plant, heating and ventilating apparatus, etc., for U. S. Custom House at Baltimore. (Advertised, Engineering News.)

BALTIMORE, MD.—Mrs. Mary Mylander, 511 North Carrollton Ave., has commissioned Jacob F. Gerwig, Arch., Hoffman Bldg., to prepare plans and specifications for warehouse to be erected at 103-7 West German St. Brick and steel, 5 stories, 47 x 68 ft.

Wm. H. Cole & Sons, Holliday and Saratoga Sts., have awarded contract to WILLIS & MASON, 22 East Lexington St., for construction of warehouse at 40-44 South Charles St. Brick, 5 stories, 57 × 114 ft. Cost, about $35,000. Mottu & White, Archs., 328 North Charles St.

Henry E. Cook, 537 East Monument St., has commissioned Tormey & Leach, Archs., 323 North Charles St., to prepare plans and specifications for 50 dwellings to be erected at Maplewood.

WASHINGTON, D. C.—A. P. Clark, Jr., Arch., 607 F St., N. W., has plans for two branch bank buildings for the Home Savings Bank, one at H and Seventh Sts., N. E., and the other on Seventh St., S. W.

WASHINGTON, D. C.—Chas. W. King, 1413 G St., N. W., has invited bids for an apartment house at 13th St. and Lydicker Ave. Brick and stone, 3 stories, 60 × 110 ft. Cost, $40,000.

ROCKYMOUNT, N. C.—Estimates are wanted on plumbing and telephones for new $40,000 hotel of the Rockymount Hotel Co. H. E. Bonitz is Arch., Wilmington.

WEST PALM BEACH, FLA.—Guy I. Metcalf, Secy., Bd. School Trustees, writes us that Bruce & Everett, Archs., of Atlanta, Ga., have been awarded contract to prepare plans and specifications for a grade and high school building, to be erected at a cost of about $25,000.

NASHVILLE, TENN.—Snelling & Potter, Archs., 1170 Broadway, New York City, have been commissioned to prepare plans for the $200,000 chemical laboratory to be erected in Nashville for Vanderbilt University.

MEMPHIS, TENN.—We are informed that G. M. Shaw & Pfiel, of Memphis, have been engaged by the Memphis Hotel Co., L. P. Parker, Mgr., to prepare plans for an addition to Hotel Gayoso, mentioned in last week's issue.

COVINGTON, KY.—The Building Committee of Fiscal Court has awarded contract for the erection of new county infirmary to KELLEY & McDERMOTT, at their bid of $106,000.

CINCINNATI, O.—E. H. Dornette, Arch., Pickering Bldg., is working on plans and will have same ready for figures in about 30 days for a three-story school building, 229 × 196 ft., for Board of Education. Cost, $150,000.

CLEVELAND, O.—P. C. O'Brien Co. will erect a five-story brick business block at Prospect St. and Oak Place, to cost $50,000.

TERRE HAUTE, IND.—The Board of School Trustees will issue $70,000 of bonds for purchase of site and the erection of school building, at Sixth and Hulman Sts., and repairs on Wiley Park School.

FORT WAYNE, IND.—Sealed proposals will be received by Board School Trustees, E. W. Cook, Secy., until 7.30 p. m., Sept. 11, for the erection of a 14-room school building. Bradley & Allen, Archs., Elektron Bldg., Fort Wayne.

BLOOMINGTON, IND.—The trustees of Indiana University have rejected all bids on the construction and equipment of new library building, for which an appropriation of $100,000 was made by last legislature. There were five bids on the general construction and about 50 on parts of the work. The total of the smallest bids exceeded the appropriation made by the Legislature, and the architects, Patton & Miller, of Chicago, Ill., were instructed to modify plans and specifications, and new bids will be received.

DETROIT, MICH.—L. W. Tuller, Arch, 1251 Third Ave., has prepared plans for a ten-story hotel, 100 × 122 ft., for himself. Cost, $100,000.

CHICAGO, ILL.—D. H. Burnhann & Co., Archs., Railway Exchange Bldg., have taken figures and will soon let contracts for Commercial Exchange building, to be erected at 163-5 Jackson Blvd., for David Mayer. Cost, $400,000.

CHICAGO, ILL.—Tentative plans, subject to the approval of Marshall Field, Robt. T. Lincoln and Frank O. Lowden, have been prepared for an 18-story building costing between $2,500,000 and $3,000,000 on the site now occupied by the Pullman Bldg., at Adams St. and Michigan Ave. Whether the work of tearing down present building will begin this fall or next spring depends on the decision of the three men named.

QUINCY, ILL.—The contract for addition to high school has been let to ANTON ROEHL, whose bid was about $52,500.

GALESVILLE, WIS.—Sealed proposals will bo received by O. R. Skaar, La Crosse, or L. N. Hammer, Galesville, until 2 p. m., Sept. 12, for building dormitory at Gale College, Galesville.

ONEIDA, WIS.—Bids are asked by C. F. Larabee, Act. Comr., Dept. of Interior, until Sept. 22, for constructing complete a brick school house, with plumbing, electric light and steam heat at the Oneida School. Jos C. Hart, Supt., Oneida.

DAVENPORT, IA.—The Chicago, Burlington & Quincy and Chicago, Milwaukee & St. Paul Railroads will spend $200,000 in the construction of new railway station here. Plans are now being prepared.

CEDAR FALLS, IA.—Proudfoot & Birds, Arches., inform us that plans for $60,000 laboratory for State Normal School will be completed about Sept. 15 and work will probably be done by day labor.

DUBUQUE, IA.—John Spencer, Arch., will have plans ready for figures in about four weeks for a three-story building for the German Theological Seminary. C. M. Stephens, Secy. Cost, $60,000.

DAVENPORT, IA.—Temple, Burrows & McLane, Archs., Davenport, have plans for a six-story fireproof hotel for Davenport Hotel Co. We are informed that the foundation will be put in this fall and other contracts let next winter. Electric light plant, refrigerating plant, laundry, machinery, steam heating, telephones, etc. will be required. Cost, $225,000.

MINNEAPOLIS, MINN.—Long & Long, Archs., 830 Hennepin Ave., awarded contract to BUTLER BROS., 1004 New York Life Bldg., St. Paul, for the erection of A. Booth & Co.'s cold storage warehouse. Cost, $250,000.

NEWTON, KAN.—Reports state that the county commissioners will build a new $50,000 court house.

OMAHA, NEB.—Plans are being drawn for an addition to St. Joseph's Hospital to cost between $150,000 and $200,000. It is the intention to begin work this fall.

CHEYENNE AGENCY, S. DAK.—Bids are asked by C. F. Larabee, Act. Comr., Dept. of Interior, Washington, D. C., until Sept. 28 for constructing an agency office building at Pine Ridge Agency and at Cheyenne Agency.

JOCKO, MONT.—Bids are asked by C. F. Larabee, Act. Comr., Washington, D. C., until Sept. 20 for constructing two day schools and two employees' quarters at Flathead Reservation, Mont. Samuel Bellew, Agt., Jocko.

KANSAS CITY, MO.—The Board Public Works has awarded contract to CHAS. C. SMITH for the erection of a four-story municipal hospital, at $149,994.

SANTA FE, N. MEX.—The following bids were opened Aug. 23 at office of Commissioner of Indian Affairs, Washington, D. C., for the construction of dormitory and lavatory, also extension to sewer system at the Santa Fe School, N. M.: Class 1, girls' dormitory; 2, boys' lavatory; 3, extension to sewer system. John A. Laughlin, Trinidad, Cal., 1, $45,480; 2, $5,065; 3, $450. W. D. Lovell, Minneapolis, Minn., 1, $38,438; 2, $5,060; 3, $764. Thos. H. O'Neil, Denver, Colo., 1, $51,000; 2, $7,000; 3, $1,000. J. S. Morrison, Denver, 1 $40,950; 2, $6,450; 3, $1,490. Peterson & McGregor, Durango, Cal., 1, $39,077; 2, $5,218; 3, $1,273.

INDEPENDENCE, CAL.—Bids are asked by C. F. Larabee, Act. Comr., until Sept. 15 for constructing complete a school building at Independence, and a school building and employes' quarters at Big Pine, Cal.

LEWISTON, IDAHO.—J. H. Nave, Arch., Lewiston, has been commissioned to prepare plans for new insane asylum, to cost about $200,000.

WINNIPEG, MAN.—W. Lyall contemplates erecting a $700,000 hotel near the C. N. R. depot. The plans already prepared call for a ten-story steel and stone structure.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

YARMOUTH, ME.—We are informed that bids will be received by the Water Commission until 2 p. m., Sept. 5 for extensions to town water system. Est. cost is $25,000. C. L. Buckman is Chn. Selectmen.

UXBRIDGE, MASS.—We are informed that contract for constructing reservoir for this town has been awarded to C. EDWARD BLANCHARD, Uxbridge, for $8,965; contract for pipe laying was let to A. BENVENUTI, New London, Conn., for $12,153. Bids were received Aug. 13 by Water Committee, Gideon M. Aldrich, Clk.

HOLYOKE, MASS.—Contract for remainder masonry walls and gate house at Ashley Ponds has been let to DANIEL O'CONNELL'S SONS CO., Holyoke, for about $5,000.

MEDFORD, MASS.—We are advised that matter of installation of water meters by this city has not been fully decided upon. Edward P. Byrne is Cy. Engr.

FORT REVERE, MASS.—JOS. J. CALLAHAN, Atlantic, Mass., has been awarded contract for extension of post water supply, and installing new pump at Fort Revere. Price, $2,100.

PROVIDENCE, R. I.—ROY S. BARKER, 75 Exchange Pl., Providence, has been awarded contract for 16 driven wells and piping connections.

GREENWICH, CONN.—Contract for constructing concrete dam, containing about 2,500 cu. yds., for the Greenwich Water Co., has been awarded to GOODWIN CONSTRUCTION CO., 60 Wall St., New York. Bids were opened Aug. 25.

COOPERSTOWN, N. Y.—We are informed that improvements of Cooperstown Aqueduct Association include concrete reservoir, new 10-in. pipe line and three additional 6-in. hydrants. Work planned and erected by the engineer and superintendent, J. Warren Lamb. Est. cost is $4,000.

ARGYLE, N. Y.—We are informed that contract for constructing a 1,000,000 gallon reservoir for the county house at this place, has been let to J. BOYNE, Argyle. The reservoir is to be formed by a concrete dam 14 ft. high and 30 ft. long. About 2,500 ft. 6-in. cast iron pipe, one 12-in. valve, one 6-in. valve, three hydrants, and a few hydrants are to be laid, the contract for the last piece of work not having been let as yet. T. F. Haley, Greenwich, N. Y., is Des. Engr.; Milo Gahan, Argyle, is official in charge.

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr. Water Supply, Gas and Electricity, until 2 p. m., Sept. 6 for following: Furnishing, delivering and laying water mains in several streets, Boroughs of Manhattan and the Bronx; furnishing and erecting two new brick chimneys at the New Ridgewood Pumping Station; furnishing, delivering and erecting the necessary steam fitting, together with all auxiliaries, complete, at the New Gravesend Pumping Station; furnishing, delivering, erecting and connecting two pumping engines, including foundations, auxiliaries and piping at the new New Lots Pumping Station; furnishing, delivering and laying water mains and removing existing water mains in several streets, Borough of Brooklyn; hauling and laying water mains and appurtenances in the Borough of Brooklyn.

FILLMORE, N. Y.—Fillmore Water Co. has been incorporated; capital stock, $10,000. Charles Ricker and W. S. Mills are interested.

MILLBROOK, N. Y.—Local reports state that Rhinebeck Water Co. contemplates installing a new deep well pump.

TROY, N. Y.—We are informed surveys are being made, plans drawn and specifications written for the new filtration plant for this city. It is expected that bids will be called for as soon as plans and specifications are read. The work also contemplates a small pumping plant, consisting of two 2,000,000 gallon low lift pumps and two 1,000,000 gallon high duty pumps; also two 250,000 gallon standpipes and the extension of mains, etc. Est. cost is $297,850. E. L. Grimes is Ch. Engr., Bu. Water Supply.

HOLLSTEAD, PA.—Hollstead Water Co. has awarded contract for 30 ft. high concrete dam to M. S. HOTCHKISS. Bids were opened Aug. 22.

COLUMBIA, PA.—Bids are asked by Columbia Water Co., A. H. Meyers, Supt., until noon Sept. 5 for construction of concrete dam and side coping walls, containing about 1,200 cu. yds. Hering & Fuller, Consult. Engrs. (Advertised, Engineering News.)

OXFORD, PA.—Council Water Committee on Aug. 17 is reported to have awarded contract for extension of present water system to McCAY ENGINEERING CO., Baltimore, Md., for about $25,000.

COATESVILLE, PA.—Bids were received Aug. 21 by Borough Council, Hugh T. Downing, Boro. Engr., for constructing cement and mastic asphalt bottom to reservoir and 450 ft. of concrete conduit, the contract being awarded to the VULCANITE PAVING CO., for $5,600.

FORT MYER, VA.—Bids are asked at General Depot of the Quartermaster's Department, Washington, D. C., until 2 p. m., Sept. 15, for constructing intake pipe and steel tank and trestle for water supply system at Fort Myer, Va.

SPENCER, N. C.—We are advised that Pressey & Weller, Engrs., 1416 F St., Washington, D. C., have awarded contracts for water-works at this place, to be built by the Spencer Water Co.

FORT McPHERSON, GA.—Bids are asked until 10 a. m., Sept. 6 for labor and materials for constructing reservoir, pump house and installing machinery for air lift system and making connections with deep wells and water system. Capt. B. B. Buck, Consulting Q. M.

DONALDSONVILLE, LA.—Louisiana Fire Prevention Bureau is to submit plans and recommendations for the extension of water system of this place. Chas. A. Maurin is Mayor.

FRANKLIN, TENN.—Bids are asked by Board of Mayor and Aldermen until 8 p. m., Sept. 12, for construction of gravity system of water-works, comprising steel tower and tank, approximately 63 hydrants and 38 4-in. to 10-in. valves, laying approximately 15½ miles, 2-in. to 10-in. pipe, 750,000 gallon concrete lined reservoir and headworks at springs. Kirkpatrick & Johnson, Engrs., Jackson, Miss. (Advertised, Engineering News.)

FRANKLIN, TENN.—We are informed that the board of Mayor and Aldermen will open bids Sept. 2, for $65,000 coupon bonds, 20-30 years, for building a gravity system of water-works. Certified check of $2,000 is required. Address H. P. Fowlkes, Cy. Recdr.

LOUISVILLE, KY.—Board Public Works has awarded contract for furnishing 126 fire hydrants to the OWENSBORO HYDRANT CO., Owensboro, Ky.

BARBERTON, O.—Board Public Affairs, W. E. Miller, Clk., will recommend that council appropriate funds for erection of a standpipe.

CINCINNATI, O.—Bids are asked by Commissioners Water-Works, Elmer G. Prior, Clk., until noon Sept. 29, for construction of filters, coagulation basins, and clear water reservoir, with pipe lines, valve chambers and miscellaneous work in connection therewith. (Advertised, Engineering News.)

NEW ALBANY, IND.—New Albany Water Co. is stated to have plans and specifications under way for improvements to cost about $50,000.

MARION, IND.—We are informed that all bids received Aug. 22 by Board Public Service for construction of 2,000,000 gallon reservoir were rejected and new bids will be received Sept. 5. T. E. Petrie, Cy. Engr., is official in charge.

CHICAGO, ILL.—Bids are asked by Department of Public Works, J. M. Patterson, Comr., until 11 a. m., Sept. 13 for constructing intake, protection piers and lake shaft of Lawrence Ave. conduit in Lake Michigan.

CHICAGO, ILL.—Bids were opened Aug. 19 by Department of Public Works for construction of Lawrence Ave. sewage pumping station. John P. Agnew at $193,670 for granite construction and $172,311 for Bedford stone was low bidder.

JACKSONVILLE, ILL.—Contract for building pumping station for Jacksonville Water-Works Co., has been awarded to MORTIMER VAN HOUTEN, for $11,956.

PERHAM, MINN.—This town has voted $15,000 of bonds for extending water mains and building a city hall.

LONE TREE, IA.—We ar[illegible] bids received Aug. 14 for co[illegible] works for this city were [illegible] Harris is Cy. Clk.

HERRINGTON, KAN.—Pro[illegible] this city with water, electri[illegible] has been granted to Charl[illegible] of Conklin & Gustafson, [illegible] Kan.

GREGORY, S. DAK.—We [illegible] nothing will be done for [illegible] three months for water-work[illegible]

ENDERLIN, N. DAK.—W[illegible] that contract for construc[illegible] for this place has been let [illegible] RITT, Fargo, N. Dak., [illegible] were opened Aug. 24. E. T. [illegible] Audr.

FARGO, N. DAK.—Bids a[illegible] J. Gibson, Cy. Audr., until [illegible] 4 for laying 4,720 ft. 6-in[illegible] fire hydrants, specials, etc.

DILLON, MONT.—Resident[illegible] County are reported to be [illegible] dam the Red Rock River in [illegible] ley for irrigation purposes. [illegible] Atty., Dilion, Mont., is report[illegible]

JACKSON, MO.—We are [illegible] date of Aug. 19 that advertis[illegible] be published within ten days fo[illegible] construction contracts for wa[illegible] plant for this city. Edw. D. H[illegible]

SEALY, TEX.—We are inform[illegible] vey is being made for an ir[illegible] for the San Felipe Canal Co. [illegible] that construction work will not [illegible] before next year. A. Ludwig is Engr. Mentioned Aug. 10.

PUEBLO, COLO.—Engineers are reported at work about 12 miles from this place laying out the site for proposed reservoir to supply north side of the city. The promoters, it is said, expect to expend about $[illegible] on the project, if water of favorable quality is found. E. W. Hathaway, Pueblo, is Consult. Engr.

SPOKANE, WASH.—Local reports state that preliminary work for installing a $15,000 irrigation plant at Avondale has been commenced by Malloy & Pohlman Co., 122 Post St., Spokane. Water will be pumped from Hayden Lake by a pump with capacity of 3,000,000 gallons daily.

SPRAGUE, WASH.—Contract for construction of new pipe line and reservoir has been let to J. C. BOARD, Spokane, Wash., for $3,732.

PUYALLUP, WASH.—Contract for construction of gravity water system for this place has been let to GEORGE MILTON SAVAGE CO., Tacoma, Wash., for $21,155.

COLVILLE, WASH.—Contract for construction of water-works for this city has been let to NAYLOR & NORLIN, Lewiston, Idaho for $11,825.

SETTLE, WASH.—L. B. Young, Supt. W.-W., has recommended to the water committee of the council improvements to the water system which will cost approximately $400,000. According to recommendations three new reservoirs and new stand pipe should be built.

TACOMA, WASH.—We are advised that the city is preparing to advertise for bids for constructing a gravity water system capable of supplying at least 15,000,000 gallons daily, with a possible capacity of 50,000,000 gallons. L. W. Roys, Cy. Clk.; Frank L. Davis, Cy. Engr.

VANCOUVER BARRACKS, WASH.—Bids are asked by the Constructing Quartermaster until Sept. 28 for construction of a reinforced concrete water tank of 100,000 gallons capacity.

WATSONVILLE, CAL.—Mahoney Water Co. has been incorporated; capital, $50,000. Geo. Mahoney and E. P. Clough are interested.

SAN RAFAEL, CAL.—We are advised that proposed supply for new works of Marin County Water Co., is to be obtained from Phoenix Gulch, three miles distant. Est. cost is $75,000.

LONG BEACH, CAL.—The Signal Hill Improvement Co. of Long Beach has placed an order with the S. J. SMITH MACHINERY CO., Los Angeles, Cal., for an electric light and water distributing system. System will include a Lambert double cylinder engine for electric light and a Gould triplex pressure pump for the water supply. Also a galvanized steel lattice substructure with tank.

WATSONVILLE, CAL.—We are informed that plans and specifications for new municipal water-works for this city have been made. Mayor W. A. Trafton is official in charge.

TURLOCK, CAL.—Bids are asked by Directors Turlock Irrigation District, J. L. Brown, Secy., until 1 p. m., Sept. 5 for improvement of main canal, the work involving the following: About 432 lin. ft. concrete wall; steel head gate, concrete piers; about 200 lin. ft., 100 cu. yds. concrete lining in canal; widening canal from head gate to Snake Ravine, about 30,000 cu. yds. classified rock excavation; steel trestle flume with wooden box at Morgan Gulch, 320 lin. ft.; also alternatives of wooden flume and trestle, steel pipe line or reinforced concrete pipe line. Bidders on wooden flume and concrete pipe to furnish plan of same; concrete flooring main canal at Snake Ravine, [illegible] cu. yds.; lowering cut Y, 4,576 cu. yds. excavation of gravel, volcanic ash and hard rock; three steel reinforced concrete drops, according to plans; steel reinforced concrete waste way at Peasley Gulch, according to plans; deepening Fanning cut, below Peasley flume, about 1,200 cu. yds. of soft rock excavation.

PHOENIX, ARIZ.—Referring to proposed municipal water-works, we are informed that no plans have as yet been formulated. Some of the citizens favor buying of present water-works and their reconstruction, but the majority favor putting in a new system. Water-works commission will soon formulate plans of action. O. A. Turney is Deputy Cy. Engr.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

NEW B[illegible]AIN, CONN.—The Unique Construction [illegible] 294 Third Ave., Brooklyn, N. Y., was [illegible] lowest bidder on the contract for Secti[illegible] "C" of the sewer in this city, bids for [illegible] were received Aug. 15. Price, $32,132. [illegible]. H. Cadwell, Engr., New Britain.

BALL[illegible] SPA, N. Y.—The Board of Trustees [illegible] Sept. 7, 8 p. m., will receive sealed [illegible]sals for construction of sewage disposal [illegible]t, consisting of receiving tank, pumping [illegible]tion, septic tanks, etc. Plans and spe[illegible]ions may be obtained of Wm. H. Sherman [illegible] Clk., or John M. Farley, Engr., White [illegible] N. Y.

Chas. [illegible]McCreedy, Jr., Vil. Treas., will receive [illegible] at the same time for $90,000 of sewera[illegible]onds.

JERS[illegible]TTY, N. J.—Sealed proposals will be rec[illegible] by Board of Street and Water Commi[illegible]ers on Sept. 5 at 2 p. m., for construc[illegible] sewer in Hudson Boulevard. Geo. T. Bou[illegible] Clk.

HAD[illegible]NFIELD, N. J.—Bids are asked by J. Mor[illegible] Roberts, Mayor, until 8 p. m., Sept. [illegible] for the construction of about two miles [illegible]-in. to 12-in. pipe sewers, a sewerage r[illegible]ving well and 2,000 ft. of cast-iron force m[illegible]. Plans and specifications may be seen [illegible] office of Engineering News, 220 Broadw[illegible] New York. (Advertised, Engineering News.)

PITTSBURG, PA.—We are advised that the Rankin Improvement Co. awarded contract Aug. 21 to W. H. BAUGHMAN, 1711 Farmers Bank Bldg., Pittsburg, for construction of complete sewerage system for its "Penn Manor" plan of lots in Mt. Oliver Borough. Cost, about $4,000.

LEETSDALE, PA.—Harrly H. Rankin, Engr., of Pittsburg, writes us that the Borough of Leetsdale is having plans prepared, which will be ready for bids in about a week, for the construction of sewerage system, to cost about $22,000.

READING, PA.—Bids are asked by Board Public Works, Charles C. Weltmer, Cy. Clk., until 3 p. m., Sept. 14, for construction and laying of a large quantity of pipe sewers. Bids are also asked for construction of about 2,450 ft. of 54-in. house sewer main. Elmer H. Beard, Cy. Engr. The advertisements for both pieces of work appear in the Engineering News.

WASHINGTON, D. C.—Bids are asked by District Commissioners until noon Sept. 11 for construction of outfall of sewage disposal system, Potomac River, near Naval Magazine. (Advertised, Engineering News.)

SPENCER, N. C.—We are informed that Pressey & Weller, Engrs., 1416 F St., Washington, D. C., have completed plans and specifications for sewerage system and street improvements for this town and work will soon begin.

STATESVILLE, N. C.—The city has voted bonds for extending sewerage system. J. C. Steele is Mayor.

MILLEDGEVILLE, GA.—The city will vote Nov. 9 on the issuance of $20,000 bonds for the construction of sewer system. Julius A. Horne is Mayor.

PENSACOLA, FLA.—Chas. H. Bliss, Mayor, writes us that the election for bonds for sewers was carried. The date for letting of work has not yet been decided on.

HOPKINSVILLE, KY.—ROBERTSON & GARDNER, of Paducah, have contract at about $25,000 for constructing seven miles of sanitary sewers for the Hopkinsville Sewerage Co. W. S. Shields, Marquette Building, Chicago, Ill., prepared the plans.

CINCINNATI, O.—J. E. Breen, Cy. Engr., has reported to Board Public Service that it would cost $16,000 to construct proposed sewer in Liston, Ingalls, Princeton and Hillside Aves., and $34,000 to sewer Observatory, Mooney and Salem Aves.

SALEM, O.—Sealed bids will be received by Board Public Service until Sept. 20 for constructing sewers in East Green and Tenth Sts. Geo. Holmes, Clk.

ALLIANCE, O.—Bids are asked by Board Public Service until 12 noon, Sept. 5, for construction of lateral sanitary sewers in various streets, amounting to about 15,000 lin. ft. C. E. Harsh, Clk.

BEREA, O.—Bids were opened Aug. 21 by Village Council O. R. Stone, Clk., for constructing 1,376 ft. of 20-in. sewer in West St., and the contract, we are informed, awarded to W. J. TOWNSEND CO., of Cleveland. E. S. Loomis, Engr., Berea.

PIQUA, O.—The Board Public Service, W. B. Mitchell, Clk., we are advised, awarded the contract for constructing sewer on Webber St. to A. G. MYERS, of Dayton, at $4,-930. Bids were opened Aug. 21.

COVINGTON, O.—It is reported that the citizens will vote at the coming November election on the issuance of $40,000 bonds for the purpose of extending Willow Run sewer.

HUNTINGTON, IND.—The contract for construction of Rabbit run sewer, to cost $24,832, has been let to HINES & BOWLIN, of Tipton.

SOUTH BEND, IND.—Bids will be received by A. J. Hammond, Cy. Engr., until Sept. 5 for construction of four sewers, to cost about $15,000.

LEBANON, IND.—Bids are asked by Common Council until Sept. 11 for constructing 830 ft. of 8-in. vitrified pipe sewer.

ST. JOSEPH, MICH.—W. J. Cleary, Cy. Engr., is preparing plans for 8-in. sewers in Second, Front and Church Sts.

OWOSSO, MICH.—Bids are asked by Board Public Works, until 2 p. m., Sept. 6, for construction of 2,136 ft., 10-in. and 1,116 ft. 12-in. vitrified pipe sewer, 12 ft. 10-in. and 312 ft 12-in. cast iron pipe outlet, ten manholes and two flush tanks. C. H. Crosby, Supt. Pub. Wks. (Advertised, Engineering News.)

CRYSTAL FALLS, MICH.—E. G. Bradbury, 85 North High St., Columbus, O., has been retained to prepare plans for sanitary and storm water sewer for this city. Construction will probably be commenced this fall.

SANDWICH, ILL.—We are informed that the Iowa Engineer Co., of Clinton, Ia., is preparing plans, estimates and specifications for a complete sewerage system for this city.

PEKIN, ILL.—Benj. F. Smith, Cy. Engr., informs us that the ordinance for 15 miles of sanitary sewer is in course of preparation. John W. Alvord, Consult. Engr., 140 Dearborn St., Chicago.

BELOIT, WIS.—Robt. Caldwell, Cy. Engr., writes us that the contracts for constructing sanitary sewer and storm sewer have been awarded to N. REICHERT, and A. THOMPSON, both of Racine, at $15,483 and $16,250, respectively.

STURGEON BAY, WIS.—Sealed bids will be received by Henry Lemhardt, Cy. Clk., until Sept. 5 for constructing sewer.

ST. PAUL, MINN.—Andrew Martenson was the lowest bidder, at $3,880, for constructing sewer on Baker and Manomin Sts.

LAWRENCE, KAN.—Bids will be received by City Clerk until 5 p. m., Sept. 4 for main sewer, 3,000 ft., 12-in. pipe, and lateral sewer 950 ft. 8-in. pipe.

ALEXANDRIA, S. DAK.—We are informed that the Alexandria Sewerage Co., recently organized, will expend about $2,000 on sewerage construction this fall. Bids have not yet been advertised for. F. D. Peckham, Secy.

FARGO, N. DAK.—H. J. Gibson, Cy. Audr., will receive bids until 7.30 p. m., Sept. 4 for construction of sewers in Sewer District No. 3, consisting approximately of 3,353 ft. of 12-in. vitrified pipe.

NEVADA, MO.—Jas. M. Clock, Cy. Engr., writes us that the contract will be let Sept. 12 for constructing 12,450 ft. of 15-in., 8,750 ft. of 12-in., 800 ft. of 10-in. vitrified pipe sewer, manholes, branches, etc.

ST. LOUIS, MO.—Bids for the construction of 13th St., sewer will be received by Board Public Improvements until Sept. 15. An appropriation of $30,000 has been made for this sewer.

ST. JOSEPH, MO.—W. H. Floyd, Jr., Cy. Engr., informs us that bids will be received until Sept. 1 for constructing South St. Joseph main sewers, 6,500 ft., and Wyatt Park main sewers, 1,808 ft.

PARAGOULD, ARK.—The city is arranging to construct sewers. John Light is Secy. Bd. Aldermen.

FORT WORTH, TEX.—Bids will be received until Sept. 15 for construction of sanitary sewers in Fifth, Sixth, Seventh and Eighth Wards. John B. Hawley, Cy. Engr.

TULSA, IND. T.—We are informed that the contract for constructing sewers, bids for which were opened Aug. 21, has been let to E. T. LIKES, of Oklahoma City, Okla., for $22,278.

WENATCHEE, WASH.—City Council has passed ordinances providing for the construction of sewers in Districts 1 and 2. It is stated that bids will be called for at once.

SEATTLE, WASH.—Bids will be received by C. B. Bagley, Secy. Bd. Pub. Wks., for constructing sewers on 20th Ave., S., and Atlantic St.; est. cost, $4,800. R. H. Thomson, Cy. Engr.

PORTLAND, ORE.—Report state that the plans for Brooklyn sewer to be built in Portland, are completed and the Council will probably advertise for bids at an early date. Chas. Wanzer is Cy. Engr.

OXNARD, CAL.—We are informed that the city will construct nine miles of 14-in. pipe sewers, estimated to cost $45,000. F. H. Olmsted, Engr., Grant Bldg., Los Angeles; C. J. Elliott, Cy. Clk.

HEALDSBURG, CAL.—The Board of Trustees has decided to call bond election for the purpose of constructing sewer system in the city. Surveys are now being made.

LINCOLN, CAL.—The question of bonding the town for sewer purposes will be voted upon in the near future.

VICTORIA, B. C.—We are informed that about 40,000 ft. of pipe sewers, 8 to 24-in., will be constructed by the city under the supervision of City Engineer, and by day labor.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—Bids are asked by John McG. Woodbury, Comr. of Street Cleaning, 13 Park Row, until Nov. 6 for the final disposition of garbage. The contract is to cover a period of five years, beginning Aug. 1, 1906.

JACKSONVILLE, FLA. — Board Public Works is reported to be considering erection of two additional cremators.

YOUNGSTOWN, O.—The Board of Health has been trying to have the Council pass an ordinance calling for the increase of the furnace capacity of the present garbage plant. It is probable, however, that nothing will be done before next spring.

INDIANAPOLIS, IND.—All bids received Aug. 21 by Board Public Works for a new ten-year contract for disposal of garbage and night soil were rejected.

LOS ANGELES, CAL.—Board of Health is stated to have asked City Council to call for bids for 25 covered steel garbage wagons.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

LACONIA, N. H.—City Council has appropriated $5,000 for paving on Elm and Water Sts. F. G. Berry is Cy. Engr.

LISBON, N. H.—Bids are asked by A. W. Dean, State Engr., Concord, until 5 p. m., Sept. 4 for road improvements in this town.

EVERETT, MASS.—It is stated that bids are being received for paving Main St. with bitulithic, about 8,000 sq. yds. C. Harrison is Cy. Engr.

QUINCY, MASS.—We are informed that the contract for grading Quincy Shore Reservation, bids for which were opened Aug. 21, has been awarded by the Metropolitan Park Commission to NEWELL & SNOWLING CONSTRUCTION CO., of Uxbridge, for $65,-700. The itemized bids may be seen under Contract Prices. J. R. Rablin, Engr., 14 Beacon St., Boston.

BOSTON, MASS.—The bids received Aug. 24 by the Massachusetts Highway Commission for constructing highway in the towns of Lincoln, Beverly, Lancaster and Sterling, Mass., were all rejected.

EVERETT, MASS.—Bids received Aug. 25 by this city for paving Main St. were rejected, and the city has asked for new bids until 7.30 p. m., Sept. 5.

MORRIS, CONN.—State Highway Commissioners have awarded contract to ROSSI & MASCETTI CO., of Torrington, for grading one section of road in Morris, at $4,400.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until 11 a. m., Sept. 6, for grading, paving with asphalt and laying sidewalks on portions of several streets.

ALBANY, N. Y.—Sealed proposals will be received by Board of Contract and Supply until 3 p. m., Sept. 5 for grading, curbing, paving with vitrified block and laying sidewalks on several streets. Isidore Wachsman, Clk.

TUCKAHOE, N. Y.—We are informed that the contract for grading and regulating Washington St., as advertised in Engineering News, has been awarded by Village Trustees to BELLEW & MERRITT CO., of Tuckahoe, for $2,225. Geo. H. Rogers, Vil. Engr.

RENSSELAER, N. Y.—Bids are asked by City Clerk until 7 p. m., Sept. 5 for grading, paving and curbing Riverside Ave.

BAYONNE, N. J.—Bids are asked by Council, W. C. Hamilton, Cy. Clk., until 8 p. m., Sept. 5 for about 1,547 sq. yds. brick paving on Dodge St. F. W. Dalrymple, Cy. Surv. (Edvertised, Engineering News.)

SOUTH ORANGE, N. J.—Bids are asked by Road Commission of South Orange Township at Maplewood until Sept. 11 for constructing about 2,700 ft. concrete sidewalks on Maplewood Ave., Baker St. and Ridgewood Road: L. P. Taylor, Engr., Sourth Orange.

ELBERON, N. J.—It is stated that JAMES LLOYD & SON, of Long Branch, have been awarded a $30,000 grading contract at South Elberon. The property to be graded is owned by Simon Guggenheim, of New York City.

BELLEVUE, PA.—Bids are asked by J. M. Simeral, Clk. Council, until Sept. 5 for grading, curbing and paving portions of Sherman and Woodlawn Aves.; also grading and curbing on Starr Ave. John McBride, Boro. Engr., 46 Fidelity Bldg., Pittsburg.

GREENSBURG, PA.—Sealed bids will be received by Town Council until 8 p. m., Sept. 4, for grading, curbing and paving with vitrified brick East Pittsburg St., 1,244 ft. Edw. A. Cremer, Clk.

MERCER, PA.—Bids are asked by J. M. Campbell, Cy. Clk., until Sept. 6 for furnishing 400,000 vitrified, fire clay paving brick; also for construction of 4,700 ft. curbing.

HARRISBURG, PA.—Reports state that bids will be received until Oct. 4 for paving Front St. with either wooden block, vitrified brick or asphaltum. Mason D. Pratt, Engr., Harrisburg.

PITTSBURG, PA.—We are informed that Rankin & Hengst, Engrs., are making preparations for considerable street paving.

STEELTON, PA.—Bids are asked by John D. Young, Secy. Boro. Council, until Oct. 4 for paving Front St., to the extent of about 31,500 sq. yds. In addition there will be about 100 storm water openings with about 2,000 ft. of vitrified drain pipe. Mason D. Pratt, Engr., Harrisburg, Pa. (Advertised, Engineering News.)

WASHINGTON, D. C.—CRANFORD PAVING CO., of Washington, D. C., has contract for paving approaches to new highway bridge. Cost, about $10,000.

WILMINGTON, DEL.—Following bids were received by New Castle County State Highway Commissioner for building 2½ miles extension of the Hare's Corner road: Theobold Harsch, Narberth, Pa., $18,437; Christiana Construction Co., $20,982; Stewart & Donohue, $20,747.

GREENSBORO, N. C.—The Board of Aldermen have accepted the bid of the SOUTHERN CONTRACTING CO., of Norfolk, Va., to repave North and South Elm Sts., from Church to Lee St., 19,000 sq. yds., with vitrified brick, at $2.08 per sq. yd.

WASHINGTON, N. C.—Bids are asked by Board of Aldermen until 8 p. m., Sept. 11 for vitrified brick paving. James S. Hall, Engr. (Advertised, Engineering News.)

MEMPHIS, TENN.—Bids will be received at office of W. B. Armour, Cy. Register, until Sept. 7 for paving on Main St., consisting of 21,000 sq. yds. of asphalt, tearing up and relaying 21,000 sq. yds. of old granite block, tearing up and hauling 24,000 sq. yds. brick pavement and laying 3,000 sq. yds. new granite blocks. J. A. Omberg, Jr., Cy. Engr.

CYNTHIANA, KY.—County Commissioners have awarded to CHAS. O. CALVERT a contract for construction of nine miles of macadamized roads in Harrison Township, for $34,990.

DAYTON, O.—Bids are asked by Board Public Service until 12 noon, Sept. 6, for paving Howard St. with brick or vitrified brick, consisting of 2,700 sq. yds. paving, 2,100 lin. ft. straight curbing, 100 lin. ft. circular curbing, 170 ft. protection curbing. Wm. F. Miller, Clk.; F. M. Turner, Cy. Engr.

ASHLAND, O.—Bids are asked by C. W. Carver, Twp. Clk., until Sept. 8 for macadamizing and piking a road.

FINDLAY, O.—Sealed bids will be received by Board Public Service until 12 noon, Sept. 5, for macadamizing and curbing Hurd Ave. and Washington St. J. C. Edie, Clk.

WILLOUGHBY, O.—Sealed bids will be received by C. C. Jenkins, Vil. Clk., until Sept. 18 for grading, paving and curbing, and otherwise improving Erie St.

CINCINNATI, O.—Local press reports state that the proposed improvement of Warsaw Ave. by grading, curbing and paving with bitulithic will not be started until next year. All bids received Aug. 14 by Board Public Service for this work were rejected. Cost, about $75,000.

NAPOLEON, O.—Bids are asked by F. J. Beck, County Audr., until Sept. 18 for construction of road in Napoleon Township.

LIMA, O.—O. J. Rose, Cy. Clk., writes us that bids for paving with vitrified brick on South Main St. 1,900 sq. yds., and for cement curbing on North Main St., 4,300 lin. ft., will be opened Sept. 18.

Mr. Rose further states that the Street Car Co. will, according to their recent franchise, macadamize streets as far as curb extends and also pave with brick between rails.

EAST PALESTINE, O.—J. W. Knaub, Clk., informs us that bids will be opened Sept. 5 for 14,111 sq. yds. of brick or block paving. H. H. Leith, Engr., Wellsville.

PORTLAND, IND.—City Engineer has been ordered by Council to draw plans and specifications for the improvement of a half mile of West Main St. with brick, concrete or macadam.

CRAWFORDSVILLE, IND. — Bids are asked by Henry B. Hulett, Cy. Clk., until 4 p. m., Sept. 4 for constructing 5-ft. cement sidewalk on Parke Ave.

GREENCASTLE, IND.—Bids are asked by County Commissioners until Sept. 4 for improving 11,466 ft. of macadamized road in Greencastle Township.

WASHINGTON, IND.—Bids are asked by County Commissioners until 10 a. m., Sept. 9. for construction of the extension system of free gravel and rock roads in Madison Township. Thos. Nugent, County Audr.

BLUFFTON, IND.—City Council has let contract for six blocks of asphalt pavement to the HOOSIER CONSTRUCTION CO., of Indianapolis, for $1.98 per sq. yd.

BROWNSTOWN, IND.—Bids are asked by County Commissioners until 1 p. m., Sept. 15, for construction of gravel roads in Grassy Fork Township, about four miles in length; also for construction of about five miles of gravel roads in Washington Township. H. W. Wacker, County Audr.

JASPER, IND.—Bids are asked by M. A. Sweeney, County Audr., until 1 p. m., Sept. 4, for construction of an extension of Duff Road No. 4, in Patoka Township, about three miles in length.

DECATUR, IND.—Bids are asked by County Commissioners until 10 a. m., Sept. 4, for construction of gravel road in French Township.

ROCKVILLE, IND.—Bids will be received by County Commissioners until 1 p. m., Sept. 4, for construction of gravel roads in Washington Township. Henry Grubb, County Audr.

BAY CITY, MICH.—Bids will be received by Board Public Works, C. J. Barnett, Secy., until 2 p. m., Sept. 4, for grading, draining and paving Woodside Ave.

HUBBELL, MICH.—Bids will be received by Jas. R. Bree, Vil. Clk., until Sept. 5 for construction of 525 ft. of cement sidewalks; also 275 ft. of crosswalks.

WYANDOTTE, MICH.—The Council awarded contract for paving Biddle Ave. to J. E. CONNOLLY, of Dayton, O., for $51,289.

WAUKEGAN, ILL.—Bids are asked by Board Local Improvements, M. R. Miller, Supt. Pub. Wks., until 7.30 p. m., Sept. 8 for about 4,430 sq. yds. grading, curbing and paving on Utica St. and about 10,865 sq. yds. of grading, curbing and paving on other streets. (Advertised, Engineering News.)

GREEN BAY, WIS.—The contract for paving Webster Ave. and Porlier St. has been awarded to LA CROSSE (Wis.) STONE CO. for $30,833. W. W. Reed is Cy. Engr.

GREEN BAY, WIS.—Bids are asked by Committee on Streets and Bridges until Sept. 12 for about 1,574 lin. ft. combined cement curb and gutter, 2,482 sq. yds. of macadam paving and 1,028 cu. yds. of excavation and grading.

COUNCIL BLUFFS, IA.—It is stated that bids will be received by L. Zurmuehlen, Jr., Cy. Clk., until 12 noon, Sept. 4, for constructing approximately 58,000 sq. ft. of artificial stone sidewalk. S. L. Etnyre, Cy. Engr.

CROOKSTON, MINN.—Bids are asked by A. M. Childs, Cy. Clk., until 8 p. m., Sept. 12, for paving, curbing and drain tile on East Robert St. J. E. Carroll, Cy. Engr.

OTTAWA, KAN.—We are informed that the contract for grading, curbing and guttering Cedar St. was let Aug. 23 to S. J. Schulte, of Chanute, for $3,542.

TOPEKA, KAN.—The contract for paving walks and drives, about 9,000 sq. yds., in state-house grounds with bitulithic has been let to WARREN BROS. CO., of Boston, Mass., at $1.80 per sq. yd.

HELENA, MONT.—Sealed proposals will be received by County Commissioners until Sept. 9 for construction of two wagon roads in Backfoot valley, in the vicinity of Lincoln. Percy R. Witner, County Clk.

SEATTLE, WASH.—Thorsvig & Lindland, Pacific Block, Seattle, at $53,891, were low bidders Aug. 19 for constructing sidewalks on Northlake Ave. and other streets, and the contract will be awarded to them. Itemized bids are given under Contract Prices.

SEATTLE, WASH.—Bids will be received by C. B. Bagley, Secy. Bd. Pub. Wks., for grading and curbing on sundry streets; est. cost, $25,300.

SEATTLE, WASH.—The Board Public Works has awarded the following contracts: STIRRAT & GOETZ, brick paving, $2,928; SEATTLE STONE CO., sand stone block paving, $4,274; N. D. JOHNSON, concrete sidewalk, $1,080; JOHN KALBERG, concrete walks, $2,327; INERNATIONAL CONTRACT CO., concrete walks, $63,759.

BOISE, IDAHO.—Bids will be received at office of governor until Sept. 9 for construction of 27 miles of wagon road. Plans and specifications may be seen at office of State Engineer.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

LYNN, MASS.—Wheeler & Betton, Archs., 59 Exchange St., Lynn, have plans for an eight-story shoe factory building.

ILION, N. Y.—The Clarke & Baker Co., it is stated, will expend $100,000 to erect a file and cabinet factory.

NEW YORK, N. Y.—J. A. SCOLLOY, 74 Myrtle Ave., Brooklyn, was awarded contract for heating new printing building to be erected at 69-71 Bank St., for G. Schirmer, 35 Union Sq. Howard Chapman, 11 Broadway, is Arch.

THOMSON, N. Y.—Iroquois Paper Co., of Thomson, is taking figures on one 250-HP., single engine and one 275-HP. compound engine for its new paper mill to be erected at Thomson. Brick, 4 stories, 75 × 400 ft. G. F. Hardy, 309 Broadway, New York City, is Arch.

CAMDEN, N. J.—Amos W. Barnes, Arch., Ninth and Walnut Sts., Philadelphia, Pa., has plans ready for bids for factory building, at Camden, for the Taylor-White Extracting Co.

TRENTON, N. J.—W. W. Slack, Arch., has completed plans for an additional four-story building for the Colonial Woolen Mills.

CAMDEN, N. J.—The Monarch Emery & Corundum Co. has invited bids for factory. Brick, 2 stories, 110 × 50 ft. New equipment will be installed.

WORTENDYKE, N. J.—Chas. Fall, Arch., 100 14th St., Hoboken, is taking figures on factory, to be erected at Wortendyke, for Granite Linen Co. Brick, 2 stories, 60 × 275 ft.

PATERSON, N. J.—Manhattan Silk Co., of Paterson, desires figures on engines, generators, boilers and sprinkler system for its new factory in course of construction at Paterson. John H. Post, 12 Hamilton St., is Arch.

NEWARK, N. J.—Sills-Edey Mica Co., 365 Mulberry St., will build a new factory on Fillinghuysen Ave. in the near future. Architect has not yet been selected.

WEST NEW YORK, N. J.—Leo. Feinen, Arch., Jersey City, has prepared plans for one-story brick factory building at Jackson and 12th Sts., West New York. Cost, $5,000.

PLAINFIELD, N. J.—We are advised that the Rushmore Dynamo Works are planning to build a two-story factory building for light manufacturing, about 200 × 40 ft., and desire names of architects experienced in concrete and fireproof construction. Power plant will consist of two 75-HP. Otto gas engines with suction gas producers; heating by hot water utilizing waste heat of engines, electrically driven throughout.

NEWCASTLE, PA.—The plant of the Newcastle Forge & Bolt Co. was destroyed by fire. Estimated loss, $100,000.

HAZELTON, PA.—Koelle, Speth & Co., Archs., 608 Chestnut St., Philadelphia, have invited bids for five-story brewery for Pilsner Brewing Co. Complete line of equipment required.

PHILADELPHIA, PA.—Amos W. Barnes, Arch., Ninth and Walnut Sts., is preparing plans for an addition to paper mill for the McDonell Paper Mills. Brick, 2 stories, 60 × 110 ft.

YORK, PA.—Emil Hartmann, Arch., 514 Walnut St., Philadelphia, will prepare plans for an addition to brewery for Theodore Helb.

RENOVA, PA.—Plans are being prepared by Emil Hartmann, Arch., of Philadelphia, for a two-story addition to brewery of E. L. Binder.

POTTSTOWN, PA.—The Ellis Kenston Agricultural Works will have plans prepared for two-story addition to its foundry.

WILMINGTON, DEL.—Fire destroyed the barrel factory on Christian Ave., South Wilmington, owned by Wm. E. Tuchton. Loss, $35,000.

BALTIMORE, MD.—Bartlett, Hayward & Co., Continental Bldg., will erect an addition to its plant at Scott and McHenry Sts.

GWYNNBROOK, MD.—J. H. Krone, Arch., Builders' Exchange, Baltimore, has completed plans for 3½-story distillery building, 72 × 100 ft., to be built at Gwynnbrook for Bonita Land & Improvement Co. A boiler house, 40 × 70 ft., and a bonded warehouse, 60 × 100 ft., 1 and 3 stories, will also be built. About $100,000 will be expended. Address J. Frank Shipley, Gwynnbrook.

WASHINGTON, D. C.—The Frazee Potomac Laundry Co., E St., N. E., has plans for a three-story business building at 18th and D Sts., N. W. Cost, $45,500.

NEWPORT NEWS, VA.—The Glamorgan Pipe & Foundry Co., of Lynchburg, will expend $500,000 to build and equip pipe works and iron foundry here.

NORFOLK, VA.—Reinschmidt-Haenni Construction Co., of St. Louis, Mo., was the lowest bidder, at $104,333, for constructing a five-story cold storage and ice plant here for the Anheuser-Busch Brewery Association, of St. Louis.

RICHMOND, VA.—Wm. R. Collins is engineer in charge, and Wm. West, Richmond, architect, for the three-story building, 80 × 40 ft., with all 30 × 20 ft., to be erected by the Britain Tobacco Works.

HENDERSONVILLE, N. C.—W. A. Garland contemplates establishing a spoke and handle factory.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

BRIDGE.—Columbia, S. C.—Geo. O. Tenney, of Spartanburg, S. C., is in the market for a bridge of two spans, etc.

ACID PHOSPHATE PLANT.—Valdosta, Ga.—A. J. Strickland is reported as in the market for material for an acid phosphate plant of 15,000 tons capacity.

SEWER PIPE, MANHOLES, FLUSH-TANKS, ETC.—Lexington, Ky.—The Mayor is in the market for the above-mentioned supplies. T. A. Combs, Mayor.

WATER WHEELS.—British India.—A. K. Dutt & Co., Contractors, 115 Upper Chitfore Road, Calcutta, India, write us that they wish to secure data relating to machinery for driving motors by water power.

CONCRETE BLOCK MACHINERY.—Lewistown, Mont.—O. F. Wasmansdorff, Co. Surv., writes us that he is looking into the matter of concrete blocks, and the necessary machinery for making them, and desires a list of firms making the same.

PAVING BRICK.—Henderson, N. C.—Jas. S. Hall, of Washington, N. C., writes us that he wants data relating to paving brick.

GAS MOTORS, BOILER COMPOUND, ETC.—Spain.—Washington Viza, of Barcelona, Spain, writes us that he is in the market for the above.

THREE-PLY IRON AND STEEL BARS.—Rhinebeck, N. Y.—T. H. Thornley, Mgr., Cole & Thornley, of Rhinebeck, writes us that he wishes the names of manufacturers of three-ply iron and steel bars for jail work.

RAILWAY SUPPLIES AND RAILROAD.—Catlettsburg, Ky.—S. H. Nigh, Pres. Equitable Land & Lumber Co., writes us that his company is in the market for supplies for a railway to be 70 miles long, intended to be built south of Catlettsburg this fall. The same company reports that a concern in South America intends to build a railway and wants data, etc., and would be glad to correspond with concerns who will build the line and accept land in payment.

PARKERSBURG, W. VA.—The Baltimore & Ohio R. R. Co. has plans ready for bids for a machine shop, round house, etc., to cost $200,000. D. D. Carothers is Ch. Engr., Baltimore, Md.

SMITHFIELD, N. C.—Walter Rand and N. M. Laurens, Jr., have purchased the Brooklyn Mfg. Co., and will rebuild plant recently burned. J. M. Johnson is Engr.

GASTONIA, N. C.—J. B. and J. L. Beal and S. B. Barnwell have organized the Gaston Plaster Co. and will erect a 30 × 80 ft. two-story building, which will be equipped with machinery for manufacturing 15 tons of wood-fiber plaster daily. It is stated that contracts for machinery have not been awarded. Est. cost, $8,000.

AIKEN, S. C.—The Carolina Light & Power Co. has closed contract with VITER MFG. CO., of Milwaukee, Wis., for 20-ton plate ice plant.

AUGUSTA, GA.—The Lombard Iron Works & Supply Co. has contracted for the erection of a steel addition to its foundry and machine shop, now 250 ft. long, with a 230-ft. runway, and new machinery will be installed including 15-ton crane of 46-ft. span and a 50-HP. generator. This machinery, it is stated, has not been contracted for.

STARKE, FLA.—An ice and cold storage plant will be erected here. Paul E. Canova and J. R. Davis are interested.

CLEVELAND, O.—The Osborn Engineering Co., Osborn Bldg., has plans for extensive improvements and additions to plant of Glidden Varnish Co., 1028 Williamson Bldg. A complete new power plant will be installed; also a new Japalac factory will be erected.

M. T. Shaffer, Arch., 15 Williams St., has completed plans for factory building, at Cedar and Glendale Sts., for W. H. Knight. Bids are being received.

The Cleveland Tanning Co., Jennings and Dennison Aves., is having plans prepared by Osborn Engineering Co., for a factory building.

HOLLAND, MICH.—James Price, Arch., has prepared plans and is ready to receive bids for a factory building for Chas. P. Luubert & Co. Main building will be 180 × 61 ft., 3 stories; one story and basement, 112 × 60; lumber sheds, 75 × 60 ft.; dry kilns, 38 × 58 ft.; engine and boiler room, 48 × 48 ft. Cost, $25,000.

LANSING, MICH.—E. A. Bowd, Arch., Allegan and Capitol Aves., has plans for one-story brick car barn, offices and shops, 200 × 250 ft., for Lansing Suburban Traction Co. Cost, $30,000.

CHICAGO, ILL.—Fire totally destroyed the plant of Independent Steel & Wire Co., 73 North Ashland Ave.

Nimmons & Fellows, Archs., 204 Dearborn St., have prepared plans and are taking figures for manufacturing plant, to be erected at Chicago Heights, for Morden Frog & Crossing Co. Buildings will consist of main building, 230 × 700 ft., office building, power house, pattern shop, etc. To be built of brick, concrete and steel, mill construction. Cost, $300,000.

Paul Gerhardt, Arch., 109 Randolph St., has prepared plans and is taking figures on factory building, to be erected on Dayton St., for Seng Co. Cost, $100,000.

NORTH ST. PAUL, MINN.—Buechner & Orth, Archs., 601 Manhattan Bldg., are preparing plans for three-story addition, 60 × 40 ft., to piano and organ factory of Wick Organ & Piano Co., at North St. Paul.

MARKHAM, TEX.—The Markham Rice Mill was destroyed by fire; loss, $75,000. C. N. Robertson is Pres.

DAVIS, IND. T.—S. H. Davis will erect a large brick and tile factory here.

DENVER, COLO.—The Smith-Brooks Printing Co., 18th and California Sts., will double its plant by the erection of an adjoining building, to cost $125,000. Plans are nearing completion.

DALLAS, ORE.—Emil Schacht, Arch., Portland, has plans for brewery for the Eastern Oregon Brewing Co. Cost, $60,000.

WINNIPEG, MAN.—E. H. Briggs & Co. will build four-story brick broom factory. Hooper & Walker, Archs., McIntyre Blk., are preparing the plans.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

STEEL LIGHTERS.—Washington, D. C.—Isthmian Canal Commission has awarded to MERRILL-STEVENS CO., Jacksonville, Fla., contract for eleven steel lighters.

ROCK EXCAVATION.—Newport, R. I.—Bids are asked until 11 a. m., Sept. 20 for rock excavation in Pawtucket River, R. I. (Advertised, Engineering News.)

DAM.—Stillwater, N. Y.—Contract for construction of a concrete dam in Hudson River at this place has been let to FLOOD & SHERILL, Sandy Hill, N. Y., for $16,000.

DAM.—Findlay, O.—Bids are asked by Board Public Service, J. C. Edie, Clk., until noon, Sept. 5, for labor and materials for construction of sanitary dam across the Blanchard River.

LEVEE.—England, Ark.—Bids are asked by Plum Bayou Levee Board, J. T. Lipscomb, Pres., until Sept. 14 for construction of new levee from Station 1651 to Station 1650, containing about 260,000 cu. yds.

DITCH WORK.—Nutshell, Ill.—Contract for construction of drainage ditch in Ophir Township requiring excavation of 200,000 cu. yds. earth, is stated to have been let to G. A. McWILLIAMS, Walnut, Ill., for about $25,000.

JETTY WORK.—Boston, Mass.—Wm. L. Miller, No. 19 Milk St., Boston, was the lowest bidder, Aug 24, for building extension to sea wall and jetties at Stoney Beach, Hull, Mass. Price, $8.23 and $3.52 per lin. ft.

BREAKWATER.—Boston, Mass.—We are informed that all bids received Aug. 24 by Harbor and Land Commissioners, Geo. E. Smith, Comr., for building breakwater in inner portion of Vineyard Haven Harbor, were rejected.

JETTY WORK.—Newport, R. I.—Bids are asked until 11 a. m., Sept. 14, for constructing extension to jetty and revetment at entrance to Point Judith Pond, R. I. Lt.-Col. J. H. Willard, U. S. Engrs. (Advertised, Engineering News.)

MINING TUNNEL.—Redding, Cal.—GEO. GRAVES, Redding, and CHARLES NICHOLS, Kennet, Cal., have been awarded a contract to drive a 300 ft. extension of the tunnel on the Wiser mine in Lower Springs District, near Shasta.

ROLLING MILL, ETC.—Washington, D. C.—Bids are asked by D. W. Ross, General Purchasing Officer, Isthmian Canal Commission, until Sept. 22 for furnishing hand rolling mill, vises, oil stones, rubber valves, steel brake shoes, etc.

TILE DRAIN.—Boone, Ia.—Bids are asked by Archie Patterson, County Audr., until 1 p. m., Sept. 15 for construction of County Drain No. 15. Work will require 1,800 ft. 13-in. tile, 4,400 ft., 12-in. tile, 900 ft. 8-in. tile, and 1,000 ft. 6-in. tile.

TRACK MATERIALS, TOOLS.—New York, N. Y.—Bids are asked by Geo. E. Best, Comr. of Bridges, until 2 p. m., Sept. 7, for furnishing and delivering track material; bids are also asked for furnishing and delivering electrical supplies and tools.

DREDGING.—New York, N. Y.—Bids are asked until noon, Sept. 14, for dredging in Port Chester Harbor, Mamaroneck Harbor, East Chester Creek, and Great South Bay, N. Y. Col. W. R. Livermore, U. S. Engrs. (Advertised, Engineering News.)

DRAINAGE DITCH.—Storm Lake, Ia.—County Supervisors have awarded contract for constructing Prairie Creek drainage ditch to W. F. COOK, Des Moines, Ia., for about $25,800. Work requires moving of about 200,000 cu. yds. of earth.

SUBWAY.—Philadelphia, Pa.—The Philadelphia Rapid Transit Co., has awarded contract for construction of the Market St. subway around city hall to E. E. SMITH CONTRACTING CO., Arcade Bldg., Philadelphia. The work will cost about $3,000,000.

COAL TIPPLE.—Wheeling, W. Va.—Youghiogheny & Ohio Coal Co. has awarded contract to JOHN C. CONLEY, New Martinsville, W. Va., for the construction of the tipple work at Glenn's Run, Belmont County, Ohio. About $150,000 will be expended.

PORTLAND CEMENT.—Billings, Mont.—Bids are asked by Engineer, U. S. Reclamation Service, Billings, until 10 a. m., Sept. 20, for furnishing 25,000 bbls. more or less, of Portland cement, f. o. b. at works of bidder. (Advertised, Engineering News.)

TELEPHONES AND CABLE.—Washington, D. C.—Bids are asked for Bureau Supplies and Accounts until Sept. 20 for furnishing a quantity of telephone cable at naval station, Guantanamo Bay, Cuba. H. T. B. Harris, Paymaster, U. S. N.

RETAINING WALLS.—Bids are asked by Bridge Commissioners of Connecticut River Bridge and Highway District, Edwin D. Graves, Ch. Engr., until noon, Sept. 17, for construction of 6,000 cu. yds. of rubble granite retaining walls. (Advertised, Engineering News.)

DITCHES.—Slater, Ia.—Contract for large ditch to be constructed for a Polk and Story Counties are to be let. The work is to be done with steam dredging machines and will cost about $6,000. Wald is Atty. for the improvement. $200,000 worth of ditching is to be done in Polk and Story Counties.

DIPPER DREDGES.—Washington, D. C.—Following bids were received Aug. 19 by Isthmian Canal Commission for furnishing three dipper dredges: Bucyrus Co., South Milwaukee, Wis., $340,000; Geo. W. Catt, Park Row Bldg., New York, $360,000; Osterstone Foundry & Machine Co., 348 Halsted St., Chicago, Ill., $281,000.

FILLING, ETC.—New York, N. Y.—Bids are asked by Board of Health, 55th St. and 6th Ave., until 10 a. m. Sept. 6, for furnishing materials necessary to ditch, drain, fill or otherwise improve certain areas in the salt marsh lands located within the Borough of Richmond, City of New York, with a view to their destruction as breeding places for mosquitoes.

INLET WALL.—San Francisco, Cal.—Bids were received Aug. 18 by California Debris Commission, Capt. Wm. W. Harts, U. S. Engrs., Secy., for building inlet wall at Daguerre Point Cut, Yuba River, Cal., the bid of $31,802 of Palmer & McBryde, San Francisco, Cal., being recommended for acceptance. This bid, itemized, is given under Contract Prices.

DRAINAGE DITCH.—Council Bluffs, Ia.—The work on Secs. 1, 2, 3 and 4 of the drainage plan of District No. 1 of Harrison and Pottawattamie Counties, will be let Sept. 19. Work consists of about 28 miles of open channel, requiring handling of about 1,500,000 cu. yds. of earth. Seth Dean, Construction Engr., Missouri Valley, Ia.; G. W. Atkins, Harrison County Audr.; W. C. Chayne, Pottawattamie County Audr., Council Bluffs, Ia. (Advertised, Engineering News.)

SOIL, GRAVEL, CEMENT, ETC.—New York, N. Y.—Bids are asked by Park Board, John J. Pallas, Pres., 5th Ave. and 64th St., until 3 p. m., Sept. 7, for the following: Furnishing and delivering 4,500 cu. yds. top soil to Fulton and Highland Parks, Brooklyn; furnishing and delivering 2,000 cu. yds. fine gravel to Ocean Parkway, Brooklyn; furnishing and delivering 250 bbls. Portland cement, 500 cu. yds. building sand and 20,000 paving brick to Forest and Prospect Parks.

LEVEE.—Walnut, Ark.—Bids were received Aug. 8 by Long Prairie Levee Board, Chas. L. Nasseur, Ch. Engr., Memphis, Tenn., for construction of levee from Bunkham Springs to Louisiana State line, the contract being awarded to TALLEY-BATES CONSTRUCTION CO., Memphis, Tenn., for $125,930. The levee is from 5 ft. to 15 ft. high with slopes 3:1; crown 6 ft. Excavation and muck ditch are paid at same price, 17 99-100 cts. per cu. yd. The contract is to be completed Feb. 1, 1906. The levee is to be constructed in accordance with specifications similar to the U. S. specifications for levee work on the Mississippi River.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

WATER AND SEWER SYSTEMS.—Philippines.—Plans for the new water and sewer systems for Manila have been adopted by the Municipal Board of that city, and bids will be taken soon. J. F. Case is Cy. Engr., Manila.

RAILROAD WORK.—Alaska.—Contract for constructing 30 miles of road bed along the north shore of Turnagain Arm, for the Alaska Central R. R., W. B. Poland, Ch. Engr., Seward, Alaska, has been awarded to P. WELCH & CO., Spokane, Wash., for $1,200,000. Contract for 2,500 ft. of tunnel work was let to RICH & HARRIS, Prosser, Wash., for $300,000.

COALING PLANT.—Philippines.—Following bids were received Aug. 26 by Bureau Yards and Docks, Washington, D. C., for coal storage and coal handling plant, Naval Station, Olongapo, P. I.: The Snare & Triest Co., 143 Liberty St., New York, Item 1, $500,000 conditional, (2) $500,000 conditional, (3) $500,000 conditional, (4) $500,000 conditional; J. G. White & Co., Inc., 43 Exchange Pl., New York, item 1, $490,500.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

DREDGING.—Boston, Mass.—Bids were received Aug. 24 by Harbor and Land Commissioners for 10,400 cu. yds. dredging in Nantucket Harbor, the contract being awarded to MORRIS & CUMMINGS DREDGING CO., 17 State St., New York, at 28 cts. per cu. yd.

LEVEE WORK.—New Orleans, La.—Contract for construction of about 431,800 cu. yds. new levee in the Pontchartrain District is reported to have been let to HEARIN & RYAN, Baton Rouge, La., at 16½ cts. per cu. yd. Bids for the work were received Aug. 10 by Capt. J. F. McIndoe, U. S.

Bagrs. For the construction of the Bougere Levee, Lower Tensas Levee District, contracts are reported to have been awarded as follows: GOLDEN BROS., Baton Rouge, La., lot 1, 135,000 cu. yds., 22.97 cts.; H. F. HODGE, Natchez, Miss., lot 2, 136,800 cu. yds., 27 cts.; HELGASON BROS., Vicksburg, Miss., lot 3, 123,800 cu. yds., 33½ cts., lot 4, 120,500 cu. yds., 33½ cts., lot 6, 120,000 cu. yds., 33½ cts.; T. R. BOBBITT, Harwood, Ark., lot 5, 124,000 cu. yds., 33½ cts., lot 7, 119,500 cu. yds., 27½ cts., lot 8, 115,500 cu. yds., 19 cts.

GRADING.—Quincy, Mass.—Following bids were received Aug. 21 by Metropolitan Park Commission, Boston, John R. Rablin, Engr., for grading Quincy Shore Reservation, Atlantic St. to National Sailors' Home, Quincy, the contract being awarded to NEWELL & SNOWLING CONSTRUCTION CO., Uxbridge, Mass.: (1) 2,500 cu. yds. earth grading, (2) 17,000 cu. yds. filling material, (3) 10,000 ft. B. M. spruce, (4) totals:

Bidders.	(1)	(2)	(3)	(4)
T. E. Ruggles, Boston	$0.40	$1.25	$45.00	$220,200
Globe Construction Co., Boston	.35	.79	40.00	$139,525
Jones & Meehan, Boston	.30	.78	45.00	$137,700
Eastern Dredging Co., Boston	.30	.68	35.00	$120,000
Coleman Brothers, Boston	.50	.59	40.00	$104,900
William H. Ellis, Boston	.39	.58	40.00	$102,875
T. H. Gill & Co., Boston	.25	.52	25.00	$91,875
Rowe & Perini, South Framingham, Mass.	.35	.44	50.00	$78,375
Newell & Snowling Cons. Co., Uxbridge	.26	.37	30.00	$65,700

CONCRETE SIDEWALKS.—Seattle, Wash.—Following bids were received Aug. 19 by Board Public Works for constructing concrete sidewalks on Northlake Ave. and other streets: (1) International Contract Co., New York Block, Seattle; (2) Coast Concrete Co., Pacific Block, Seattle; (3) Thorsvig & Lindland, Pacific Block, Seattle; (4) Sparger Concrete Co., Colman Bldg., Seattle; (5) Hans Pederson, Seattle; (6) D. Dow & Co., Seattle; (7) Paul Wagner & Co., Seattle:

BIDS RECEIVED AT SEATTLE, WASH., AUG. 19, 1905, BY BOARD PUBLIC WORKS, FOR CONSTRUCTING CONCRETE SIDEWALKS ON NORTHLAKE AVE. AND OTHER STREETS.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Fixed estimate		$3,000.00	$3,000.00	$3,000.00	$3,000.00	$3,000.00	$3,000.00	$3,000.00
Earthwork	6,300 cu. yds.	.20	.12	.10	.15	.01	.10	.25
Crosswalks, landings, etc.	205 M. ft. B.M.	13.50	14.00	14.00	15.00	14.00	15.50	15.00
Concrete sidewalks	46,540 sq. yds.	.96	.96	.88	1.05	.99	.94	.97
Alley crossings, concrete	95 "	1.18	1.00	1.00	1.40	1.10	1.00	1.50
Catch basins, double inlets	1	65.00	70.00	75.00	70.00	75.00	75.00	80.00
Catch basins, single inlets	7	60.00	55.00	65.00	65.00	65.00	65.00	65.00
3-in. sewer pipe	15,000 lin. ft.	.10	.10	.12	.12	.04	.12	.10
12-in. sewer pipe	1,120 "	1.80	1.30	1.40	2.00	1.10	1.50	2.00
15-in. sewer pipe	80 "	2.00	1.50	1.60	2.25	1.50	1.75	2.25
Manholes	4	60.00	65.00	70.00	55.00	50.00	70.00	75.00
Sand box	1	70.00	30.00	20.00	20.00	25.00	26.00	30.00
Overhead crossing, lumber	105 M. ft. B. M.	14.50	15.00	16.00	18.00	25.00	16.00	18.00
Railing	1,050 lin. ft.	.10	.15	.10	.15	.20	.15	.20
Concrete	23 cu. yds.	7.00	6.00	10.00	7.50	7.00	7.00	7.50
Totals		$58,077	$57,091	$53,891	$63,225	$57,815	$57,105	$59,994

*DIKE.—Los Angeles, Cal.—Following bids were received at local office, U. S. Reclamation Service, D. W. Murphy, Acting Supervising Engr., for constructing dikes for the Yuma Valley irrigation project; the bids given below are for the entire schedule: (1) Miller & Peasley, 233 Wilcox Bldg., Los Angeles, Cal. (also submitted alternate bid on one or more items, of 14 cts. per cu. yd., for excavation, 1 ct. for overhaul, and $100 per acre for clearing and grubbing); (2) Grant Bros. Construction Co., 604 Trust Bldg., Los Angeles, Cal.; (3) J. G. White & Co., 43 Exchange Pl., New York; (4) Shattuck Desmond Warehouse Co., 9th and Alameda Sts., Los Angeles, Cal. (also submitted alternate bid on one or more items, of 30 cts. per yd. for excavation, 4 cts. per cu. yd. for overhaul, and $25 per acre for clearing and grubbing):

Bids received at Local Office, U. S. Reclamation Service, D. W. Murphy, Acting Supervising Engr., Los Angeles, Cal., for Constructing Dikes for the Yuma Valley Irrigation Project.

Items.	(1)	(2)	(3)	(4)
Excavation, 445,000 cu. yds.	.13¼	.17	.18	.21¾
Overhaul, per cu. yd. per 100 ft.	.01	.02½	.01	.02
Clearing and grubbing, 125 acres, per acre	.50	.85	.90	.15
Totals	$66,325	$86,275	$91,350	$98,662

FILLING AND GRADING.—Key West, Fla.—Following bids were received Aug. 26 by Bureau Yards and Docks, Washington, D. C., for filling and grading at Naval Station, Key West, Fla.: Roderick G. Ross, 204 East Bay, Jacksonville, Fla., $0.49 per cu. yd.; Southern Dredging Co., Mobile, Ala., $0.95 per cu. yd.

*CONCRETE SEWERS.—Washington, D. C.—Following bids were received Aug. 21 by District Commissioners, D. E. McComb, Supt. Sewers, for constructing concrete sewers in Canal St., price bid not including paving: (1) 12,500 cu. yds. earth excavation, (2) 20 cu. yds. brick work, (3) 220 cu. yds. vitrified brick work, (4) 1,200 cu. yds. concrete B, (5) 1,500 cu. yds. concrete C, (6) 700 lin. ft. underdrains, (7) totals: J. Connelly Construction Co., Cleveland, O., (1) $0.80, (2) $12, (3) $20, (4) $6.90, (5) $6.65, (6) $0.25, (7) $34,105; J. H. Louchheim, Philadelphia, Pa., (1) $1.26, (2) $12, (3) $19.50, (4) $7.40, (5) $7.20, (6) $0.25, (7) $40,125.

CEMENT SIDEWALKS.—Waukegan, Ill.—Bids were opened Aug. 18 by Board Public Works, M. R. Miller, Supt., for constructing cement walk on Washington and Spring Sts., the work consisting of about 3,200 sq. ft.; the contract was let to THOMSEN & SMART, Waukegan, at a bid of 17 cts. per ft. Contract for constructing cement walk on Sheridan Road and Water St., consisting of 3,355 sq. ft., was let to C. T. BARTLETT, Evanston, Ill., at 16¼ cts. per ft. The walks are to have a 1-in. top, 5 ins. of concrete and 10 ins. of cinders.

*DREDGING.—New London, Conn.—Following bids were received Aug. 26 by Lt. Col. Chas. F. Powel, U. S. Engrs., for 270,000 cu. yds. dredging in West River, Conn.: Morris & Cummings Dredging Co., New York, 18¼ cts.; George W. Catt, New York, 13 1-10 cts. (recommended for acceptance); John P. Sanderson, Albany, N. Y., 23 cts.; J. S. Packard Dredging Co., Providence, R. I., 17 85-100 cts.; John and Joseph McSpirit, Jersey City, N. J., 13 9-10 cts.; Seely-Taylor Co., New York, 16 cts.

*INLET WALL.—San Francisco, Cal.—Bids were received Aug. 18 by California Debris Commission, Capt. Wm. W. Harts, U. S. Engrs., Secy., for building inlet wall at Daguerre Point Cut, the bid of Palmer & McBryde, San Francisco, Cal., being recommended for acceptance. Itemized bid of this concern was as follows: Excavating for foundations, 2,200 cu. yds. earth, per cu. yd., $1.00; excavating for foundations, 200 cu. yds. rock, per cu. yd., $1.50; placing 140 cu. yds. backfilling, per cu. yd., $1.00; placing 300 cu. yds. embankment, per cu. yd., $.75; furnishing and placing 2,340 cu. yds. concrete, per cu. yd., $5.00; furnishing and placing 30,100 lbs. plain steel bars, per lb., $0.06; furnishing and placing 8,300 lbs. twisted or corrugated steel bars, per lb., $0.07; excavating 32,000 cu. yds. earth from entrance to cut, per cu. yd., $0.45; excavating 1,000 cu. yds. rock from entrance to cut, per cu. yd., $0.45; total, $31,802.

CIVIL SERVICE EXAMINATIONS

MECHANICAL DRAFTSMAN.—U. S. Civil Service Commission, Washington, D. C., from whom further information can be obtained, will hold an examination Oct. 4, 5 and 6, at various places throughout the country to secure eligibles to fill five vacancies in the position of mechanical draftsman in the Ordnance Department at Large, at salaries of $1,000 to $1,200 per year, according to rating, and other similar vacancies as they may occur in that department.

ASSISTANT CIVIL ENGINEERS.—The U. S. Navy Department will hold an examination at the Navy Yard, New York, beginning Oct. 9, to secure eligibles from which to appoint eight assistant civil engineers in the Navy. The professional examination will occupy about ten days, and applications for permits to be examined must be made to Charles J. Bonaparte, Secretary of the Navy, Washington, D. C. Applicants must have secured a degree in the civil engineering course of some professional institute of good repute, and must have had at least two years' practical experience as a civil engineer. The pay is $1,800 per year at the start.

INDUSTRIAL NOTES.

THE CHICAGO & NORTHWESTERN RY. announces that it has established an industrial bureau for the purpose of furnishing information as to locations for new manufacturing enterprises at points along its lines.

THE INDEPENDENT PNEUMATIC TOOL CO., 1st National Bank Bldg., Chicago, has just appointed Mr. R. S. Cooper, former representative of the Rand Drill Co. at Pittsburg, Pa., Manager of its New York office at 170 Broadway.

THE A. D. GRANGER CO., Philadelphia, has secured the contract from the Baltimore Pearl Hominy Co., Baltimore, Md., for installing the complete power plant, including two (2) 300 HP. water tube boilers, one (1) 800 HP. Cross Compound Bates Corliss engine, condenser, pumps, feed water heater and stack.

THE CROCKER-WHEELER CO., Ampere, N. J., is in receipt of an order for a 200 K. V. A., three phase, 60 cycle, engine type alternating current generator for the Ivorydale, O., lighting and power plant of the Proctor & Gamble Co. This machine is a duplicate of the first Crocker-Wheeler alternator ever built, which was installed ten months ago in the Atlanta plant of the Proctor & Gamble Co.

THE ROBINS CONVEYING BELT CO., of New York, has, among the work now on hand, the contract for coal conveyors and elevators for the Haverhill Electric Co., of Haverhill, Mass.; the contract for the coal handling machinery for the boiler house of the Arlington Mills Co., of Lawrence, Mass.; and an order for belt conveyors for the N. J. Zinc Co.'s plant at Palmerton. It is also about to complete several large export shipments for Germany and South Africa.

THE CONCRETE PLANT MFG. CO., 150 Nassau St., New York, has been incorporated under the laws of the State of N. Y., for the purpose of manufacturing and selling entire concrete equipments and contractors' supplies in general, and will, at an early date, be ready to furnish contractors with the Judd-Cubical Concrete Mixer, in the following sizes: Nos. 5, 9, 15, 30 and 60. Mr. Wm. J. Judd, the President of the company, as well as inventor and patentee of the mixer, explains his ideas in numbering the machines as follows: Each number represents the number of cubic feet the machine will mix at one batch. For instance, the number 5 will mix five cubic feet and the number 60 will mix sixty cubic feet. This, it is understood, will enable the buyer to determine the size of machine he wishes to order, without looking over tables to learn the capacity of the different sizes as usually given in catalogues. All parts of machines will be numbered in a similar manner. No. 5 will begin 501, 502, 503, etc., while parts to No. 60, will begin 6001, 6002, 6003, etc.

THE ERIE R. R. CO. has awarded the following contracts to the Buffalo Forge Co., Buffalo: Buffalo fan system heating and ventilating outfit for their 42-stall round house at Buffalo, requiring Buffalo steel plate 220 ft. fan with belt connected 75-HP. motor, and heater containing 15 four-row sections, each section 6 ft. × 8 ft. 4 ins. Buffalo fan system heating and ventilating outfit for their 43-stall round house at Hornellsville, N. Y., requiring Buffalo steel plate 210 ft. fan with belt connected 60 HP. motor, and heater containing 20 two-row sections, each section 7 ft. × 9 ft. 4 ins. Buffalo fan system heating and ventilating outfit for their 21-stall round house at Galion, Ohio, requiring Buffalo steel plate 150 ins. fan with direct connected 8 × 10 Buffalo engine, and heater containing 10 four-row sections, each section 5 ft. × 6 ft. 10 ins. Buffalo fan system heating and ventilating outfit for their 21-stall round house at Huntington, Ind., requiring Buffalo steel plate 150 ins. fan with direct connected 8 × 10 Buffalo engine, and heater containing 12 four-row sections, each section 5 ft. × 6 ft. 10 ins.

THE DRAKE STANDARD MACHINE WORKS, 300 West Jackson Boulevard, Chicago, has been given an order by the Panama Canal Commission for four of its concrete mixers. One of the mixers is the No. 2 Portable Concrete Mixer, with engine and boiler. Capacity of 200 cu. yds. per day; boiler, 16 HP., and engine of 14 HP. This is all mounted on truck. The other three are No. 3 Portable Concrete Mixers with boiler and engine; capacity of 125 yds. per day. These machines are to be shipped to New York from the Chicago shop not later than Aug. 30.

THE DE LAVAL STEAM TURBINE CO., Trenton, N. J., report the following list of principal orders received up to July 1st: Lawrence Duck Co., Lawrence, Mass., 1 225-HP. steam turbine dynamo. Public Service Corporation of N. J., Paterson, 3 75-HP. De Laval-Sirocco blower sets. Semet-Solvay Co., Syracuse, 2 50-HP., A. C., electro-motor pumps; 15 10-HP., A. C. and D. C., electro-motor pumps. Springfield Boiler & Mfg. Co., Springfield, Ill., 1 150-HP. steam turbine centrifugal pump; 1 30-HP., 20 KW. steam turbine dynamo, for Mississippi River dredge for Government. Armour & Co., Chicago, 1 75-HP. steam turbine centrifugal pump. Power & Mining Machinery Co., N. Y., 2 300-HP., 200 KW. steam turbine alternators. Mass. Chemical Co., Walpole, Mass., 1 300-HP., 200 KW. steam turbine dynamo. Cold Prince Mines, Animas Forks, Colo., 3 300-HP., 200 KW. steam turbine alternators; 2 30-HP., 20 KW. steam turbine driven exciters. Board of Control of State Institutions, Iowa, 1 75-HP., 50 KW. steam turbine dynamo. Cal. Gas & Electric Corporation, Oakland, 1 150-HP. De Laval-Sirocco turbine blower set (duplicate order). Indianapolis Gas Co., Indianapolis, 1 75-HP. De Laval-Sirocco turbine blower set. City of Georgetown, S. C., 1 55-HP. turbine pump. Walter Baker & Co., Ltd., Milton, Mass., 2 55-HP. turbine dynamos. Atlanta Gas Light Co., Atlanta, 1 55-HP. turbine blower set. Denver Gas & Electric Co., Denver, 1 55-HP. turbine exhauster set.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 74.

PROPOSALS FOR STORM VESTIBULES AND STORM SASH.—Office of the Constructing Quartermaster, Fort Totten, N. Y., August 21, 1905.—Sealed proposals for storm vestibules and storm sash to be installed in 14 buildings at this post will be received at this office until 1:00 P. M., September 15, 1905, and then opened. Necessary information furnished on application. Envelopes containing proposals should be marked "Proposals for storm vestibules and storm sash" and addressed Captain GEO. H. McMANUS, Constructing Quartermaster. 9-3t

DRAINAGE DITCH.

Iowa.

The work on sections one, two, three and four of the drainage plans of District No. 1, of Harrison and Pottawattamie counties, Ia., will be let at Council Bluffs, Ia., Sept. 19, 1905. The work consists of about twenty-eight miles of open channel of sixteen to forty feet bottom width; and ranging in depth from five to fourteen feet. There are approximately 1,500,000 cubic yards of earth to be handled.

Full information can be had on application to G. W. ATKINS,

Auditor of Harrison County, Logan, Ia.

Or to W. C. CHAYNE, Auditor of Pottawattamie County, Council Bluffs, Ia.; or to SETH DEAN, Construction Engineer, Missouri Valley, Ia. 9-3t

PAVING.

Bids will be received by the undersigned and opened in the council chamber at 1:30 P. M., Oct. 4th, 1905, for paving Front St., Steelton, Pa., work on which is to begin next April. Bids are wanted on Asphalt, Creo-Resinate Wooden Blocks, Vitrified Brick or any other approved material, on a six-inch concrete base. Total amount of paving 31,500 sq. yds. In addition there will be about 100 storm water openings with about 2,000 feet vitrified drain pipe. All to be let under one contract. Plans, specifications and bidding sheets may be obtained by addressing

JOHN D. YOUNG,
Sec'y. Borough Council.
Steelton, Pa.

MASON D. PRATT, Engineer.
9-3t Harrisburg, Pa.

BRICK PAVING.

Washington, N. C.

Sealed proposals will be received by the Board of Aldermen of the town of Washington, N. C., until 8 o'clock p. m., September 11, for constructing vitrified brick paving. Extent of proposed work is about 5,000 sq. yds. of paving, 2,700 ft. of stone curbing, catch basin and accessories. Specifications, etc., can be obtained after Sept. 4, 1905, by addressing

JAMES S. HALL, Engr.,
Washington, N. C.

RETAINING WALLS.

Hartford, Conn.

Bids on rubble granite walls, about 5,000 cu. yds., will be received on September 19, 1905, at 12 o'clock, noon, at the Office of the Bridge Commission, 650 Main St., Hartford, Connecticut. Plans and specifications can be examined at the above office, and blank proposals secured. Bidders must examine the site and consult the engineer in regard to conditions governing construction. Certified check for $3,000 must be handed in with each bid.

CONN. RIVER BRIDGE & HIGHWAY DISTRICT,
By EDWIN D. GRAVES, Chief Engr.
9-2t

13½ MILES RAILWAY CONSTRUCTION.

K. & W. Va. R. R.

Sealed proposals for the graduation, masonry, trestle work and track laying of thirteen and one-half miles of proposed extension of the Kanawha and West Virginia Railroad will be received at the office of the Chief Engineer, Champ Building, Capital St., Charleston, West Virginia, until 12 o'clock, noon, September 9, 1905, the company reserving the right to reject any and all bids.

Profiles, plans and specifications can be seen at the office of the chief engineer, Charleston, West Virginia.

9-2t N. C. VAN NATTA, Chief Engr.

U. S. ENGINEER OFFICE, 1000 22d St., N. W., Washington, D. C., Aug. 25, 1905.—Sealed proposals for construction of concrete steel bridge over Washington Channel in approach to highway bridge across Potomac River, Washington, D. C., will be received here until 12 m., Sept. 25, 1905, and then publicly opened. Information on application. R. L. HOXIE, Lt.-Col., Engrs. 9-4t

OFFICE OF THE COMMISSIONERS, D. C., Washington, D. C., August 29, 1905.—Sealed proposals will be received at this office until 12 o'clock M., September 11, 1905, to construct the outfall of the sewage disposal system, Potomac river, near Naval Magazine. Specifications and blank forms of proposal may be obtained at this office. The right is reserved to reject any and all bids or parts of bids. HENRY B. F. MACFARLAND, JAY J. MORROW (Acting), Commissioners, D. C. 9-2t

U. S. ENGINEER OFFICE, Newport, R. I., Aug. 31, 1905.—Sealed proposals for rock excavation in Pawtucket River, R. I., will be received here until 11 A. M., Sept. 20, 1905, and then publicly opened. Information furnished on application. J. H. WILLARD, Lt.-Col., Engrs. 9-3t

MACADAM PAVING.

Waukegan, Ill.

Sealed proposals will be received by the Board of Local Improvements of the City of Waukegan, Lake County, Illinois, until 7.30 o'clock, September 8, 1905, at the Council Chambers in said City, No. 109 Washington Street, for grading, curbing and paving a portion of Utica Street, about 4,430 square yards. Also for grading, curbing and paving portions of Hickory Street, First Street, Second Street, Third Street and North Avenue, in said City, about 10,805 square yards. Said paving to consist of nine inches crushed limestone and three inches crushed granite, bonded with limestone screenings.

The contractors will be paid in cash for said work.

Bids must be addressed to William S. Bullock, President, with certified check or cash for ten per cent. of the amount of the bid and indorsed "Proposal for Paving."

Proposals must be made on blanks furnished.

Plans, specifications and proposal blanks are on file in the office of the Superintendent of Public Works at 107 Washington Street, in said City and will be furnished on application.

The right to accept or reject any or all bids is reserved.

WILLIAM S. BULLOCK,
President of Board of Local Improvements.
M. R. MILLER,
9-1t Superintendent of Public Works.

BRICK PAVING.

Bayonne, N. J.

Sealed proposals will be received by the council of the City of Bayonne, N. J., until Tuesday, Sept. 5, 1905, at eight o'clock p. m., for the improvement of Dodge Street, from Avenue D to Orient Street. Amount of brick paving required is about 1,547 square yards.

The city reserves the right to reject any or all bids.

Specifications and plans are on file with the city surveyor, who will furnish any further information required.

W. C. HAMILTON, City Clerk.
F. W. DALRYMPLE, 9-1t
City Surveyor.

U. E. ENGINEER OFFICE, Newport, R. I., Aug. 26, 1905.—Sealed proposals for constructing extension to jetty and revetment at entrance to Point Judith Pond, R. I., will be received here until 11 A. M., Sept. 11, 1905, and then publicly opened. Information furnished on application. J. H. WILLARD, Lt.-Col., Engrs. 9-2t

SITUATIONS OPEN

WANTED.—Experienced detailer and checker on structural steel and cast iron work—warehouses and mill buildings. Address "D.," 346 North St., Baltimore, Md. 9-1t

WANTED.—A young draftsman capable of making full size details of windows and doors, and taking off quantities from drawings in a builder's office in New York City. Exceptional opportunity for promotion and permanent position. State age, experience, references, education and salary expected. Address "F. B. 9," Engineering News, New York. 9-1t

WANTED

BY THE NEW YORK CENTRAL AND HUDSON RIVER RAILROAD COMPANY

in its New York City Office, several first-class designing draftsmen familiar with railroad structures, exclusive of bridges, for work on Grand Central Terminal and Electrification Zone. Salaries from $100 to $125 per month.

Address applications, giving training, references, experience and samples of work, to G. A. HARWOOD, Designing Engineer, Grand Central Palace, Lexington Avenue and 43d Street, New York City. 9-3t

WANTED

First-class

Timekeepers and Paymasters

Write with references

EASTERN CONTRACT CO. 9-1t
1205 Farmers' Bank Bldg., Pittsburg, Pa.

Miscellaneous Wants

TOM KAINE

will please write at once to T. M. RINEHART, at Alburton, Md. 9-2t

PIPE SEWERS.

DEPARTMENT OF PUBLIC WORKS.

Reading, Pa., Aug. 23, 1905.

Sealed proposals will be received at the office of the City Clerk, of Reading, Pa., until 3 p. m., of Thursday, September 14th, 1905, for the construction and laying of about—

1,600 lineal feet of 20-inch pipe sewer.
2,700 lineal feet of 15-inch pipe sewer.
29,000 lineal feet of 12-inch pipe sewer.
235,000 lineal feet of 10-inch pipe sewer.
11,000 lineal feet of 8-inch pipe sewer.
235,000 lineal feet of 5-inch connections.
2,600 lineal feet of 6-inch connections.
2,700 lineal feet of 8-inch connections,

together with all the "Y's" and manholes in house sewer districts Nos. 3½, 4, 5, 6 and 11.

A certified check upon a national bank or a trust company proposal bond in the following amount for the several districts must accompany each bid, to wit:

For house sewer district No. 3½, $20,000.00.
For house sewer district No. 4, $13,000.00.
For house sewer district No. 5, $17,000.00.
For house sewer district No. 6, $16,000.00.
For house sewer district No. 11, $16,000.00,

and the successful bidder will be required to enter into a contract bond with a trust company existing under the laws of Penn'a, authorized to do business in the State of Penn'a, in the sum of 40 per centum of the total amount of the contract.

Plans and specifications can be seen and blank forms of proposal obtained at the office of the City Engineer of Reading, Pa.

All proposals must be endorsed "Proposals for House Sewer in Districts Nos. 3½, 4, 5, 6 and 11," and addressed to the Board of Public Works, in care of Charles C. Weltmer, City Clerk of Reading, Pa.

Payments for the proposed work will be made in improvement bonds.

The right is reserved to reject any or all bids.

By order of the Board of Public Works.
ELMER H. BEARD,
9-2t City Engineer.

U. S. ENGINEER OFFICE, Army Building, New York, August, 30, 1905.—Sealed proposals for dredging in Port Chester Harbor, Mamaroneck Harbor, East Chester Creek and Great South Bay, N. Y., will be received here until 12 M., September 14, 1905, and then publicly opened. Information furnished on application. W. R. LIVERMORE, Col., Engrs. 9-2t

CONCRETE DAM, ETC.

Columbia, Pa., Aug. 25, 1905.

Sealed proposals for the construction of a concrete dam and side coping walls, containing about twelve hundred cubic yards, for the support of a corrugated iron roof to the reservoir of the columbia Water Company, will be received at the office of the Water Company, 204 Locust Street, Columbia, Pa., until noon, Tuesday, September 5, 1905.

The plans and specification and blank form of proposal can be seen at the office of the Water Company, or at the office of Hering & Fuller, consulting engineers, 47 East Market Street, York, Pa. Bond will be required on the contract $1,000.00. The right to reject any or all bids is reserved.

A. H. MEYERS,
9-1t Superintendent.

WATER-WORKS.

Franklin, Tenn., Aug. 23, 1905.

Sealed proposals will be received by the Board of Mayor and Aldermen of Franklin, Tennessee, till 8 p. m., Sept. 12, 1905, for constructing a gravity system of waterworks, comprising:

B. Steel tower and tank.
C. Approximately 63 hydrants and 38 4/10 in. valves.
D. Laying approximately 15½ miles 2/10 in. pipe.
E. Concrete lined reservoir, 750,000 gal.
F. Headworks at the springs.

The right is reserved to reject any or all proposals. For specifications, blank forms and information address Kirkpatrick & Johnson, Engineers, Jackson, Miss. Plans on file at Recorder's office.

9-1t H. P. FOWLKES, Recorder.

DEPARTMENT OF THE INTERIOR, United States Geological Survey, Reclamation Service, Washington, D. C., August 26, 1905.—Sealed proposals will be received at the office of the Engineer, United States Reclamation Service, Billings, Mont., until 10 o'clock, a. m., September 26, 1905, for furnishing 25,000 barrels more or less, of Portland cement, f. o. b., cars at works of the bidder. Particulars may be obtained by application to the Chief Engineer of the Reclamation Service, United States Geological Survey, Washington, D. C., or to Jeremiah Ahern, Engineer, Cody, Wyo: THOS. RYAN, Acting Secretary. 9-6t

American Road Roller Company

Sale by Trustee in Bankruptcy of Entire Manufacturing Plant and Business

On Thursday, the 14th day of September, 1905, at 11 o'clock, at the Company's Office, in the Village of Groton, County of Tompkins, and State of New York, consisting of its Land, Building, Machinery, Tools, Stock and Material on hand, both Finished and in Process of Manufacture; Office Furniture, Fixtures and Good Will.

The plant consists of about eleven acres of land at Groton, N. Y., with the following buildings and complete equipment:

Power House, 40x60 ft.; Stock Storage Building, 40x80 ft.; Wood Shop, 60x144 ft.; Warehouse, 60x144 ft.; Machine Shop, 60x244 ft.; Foundry, 60x144 ft.; Boiler Shop, 60x144 ft.; Testing Building, 40x50 ft.; large Store Shed, 36x204 ft., and Office.

These buildings are of brick, steel and wood construction, well built, thoroughly up to date and modern; equipped with steam heating and electric lighting throughout. Elevated steel runways connect the upper stories of different buildings. A flowing well on the premises furnishes an abundance of water for all departments. The power is electric, and all machinery is driven with electric motors.

The whole plant does not average over two years' actual use. There is at the plant and to be included in the sale a great quantity of merchandise, castings, tools, forgings, and parts for the manufacture of road rollers, street sweepers, separators and gas engines.

The sale will be made subject to a sinking fund mortgage held by the Ithaca Trust Company for $125,000, on which $6,180 has been paid, and on which a further payment of $6,180, together with six months' interest, became due August 15th last. This mortgage is recorded in the office of the Tompkins County Clerk's Office in Liber 100 of Mortgages, at page 219.

Further information and particulars may be had by applying to Frank P. Hakes, Trustee, Cortland, N. Y., or George S. Tarbell, Referee, Ithaca, N. Y., or Messrs. Choate, Hanford & Larocque, 40 Wall St., New York City, or Messrs. Kellogg & Van Hoesen, Cortland, N. Y.

FOR SALE

Space under this ... *is sold at the uniform rate* ... *$2 an inch; minimum charge,* ... *a week . . .*

Good Feldspar Quarry

AN OPPORTUNITY IN INVESTMENT

The advertiser has a good feldspar quarry, fairly well equipped for operation, in Maryland, which, with some more machinery, could double the present output with about half the additional expense.

Special Location for Spar Mill is also presented.

On account of other business, owner must sell this quarry. Will sell for cash or, if purchaser interested to organize a stock company, will take part cash and part in stock.

A report from a silica company, dated about Aug. 20, 1905, states that the spar is very nearly pure. Full particulars will be sent to interested parties. Address,

S. A. G.

9-3t **Care Engineering News, New York**

Contractor's Plant

One Lidgerwood Cableway, 600 ft. long, 8 × 12 Engine, all complete with towers.
One 2-yd. Carlin Mixer.
One 60-HP. Erie Boiler.
One 25-HP. Portable Boiler, on wheels.
One 7 × 10 Carlin Double Drum Hoist without boiler.
One 7 × 10 Mundy Double Drum Hoist with boiler.
Two Stiff Leg Derricks.
One 8-in. Gould Pump.
One 6-in. Baldwinsville Pump.
One 10 × 12 Atlas Center Crank Engine.
One 8 × 10 Atlas Center Crank Engine.
One Pile Driver Complete.

All located at Indianapolis, and for sale CHEAP.

E. M. GRAVES
57 Lombard Bldg., Indianapolis, Ind.

Please mention ENGINEERING NEWS.

10-ton Steam Road Roller

For Sale or will Rent.

Address

GEORGE M. KEOUGH,
Red Bank, N. J. 9-4t

12 and 15-ton Kelly, Harrisburg & Aveling Porter Rollers

For Sale or Rent for long period.

L. F. BRYANT,
2½ Springhill Terrace, Mass. 9-4t

FOR SALE.

Two Sets of Mosser Crushing Rolls

30-in. diameter by 16-in. face. Each set supplied with two 66 x 12-in. Wood Rim Iron Hub Pulleys. The same for crushing cement, clinker, rock, or any similar substance.

One Set of Porcupine Rolls

for Reducing Coal, as manufactured by the Tamaqua Iron Co., Tamaqua, Pa.

Great Northern Portland Cement Co.
Marlborough, Md. 9-4t

Second-Hand Young & Sons' No. 6 Transit

5-inch needle, 6¾-inch graduations reading minutes; gradienter and level on telescope; full vertical circle on silver with guard, variation plate, fixed stadia. Very little used. (Price $278.00 when new.) . . . . $200.00.

SURVEYORS' INSTRUMENT EXCHANGE
9-2t **P. O. BOX 943, PHILADELPHIA, PA.**